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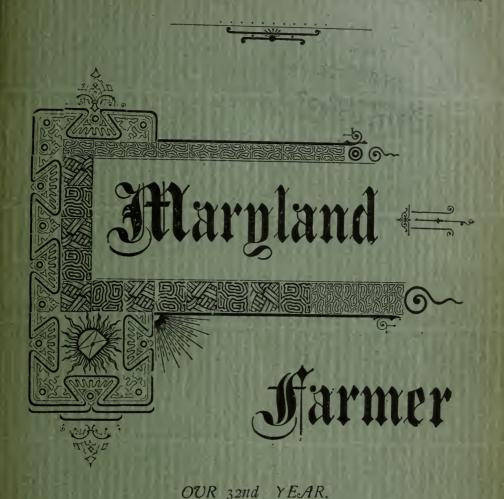
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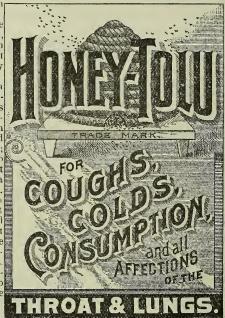
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Agriculture, Forticulture, Live Stock and Rural Commun.

Vol. XXXII.

BALTIMORE, April 1895.

No 4.

#### ASHES.

I saw the gardener bring and strew
Gray ashes where blush roses grew,
The fair stili roses bent them low,
Their pink cheeks dimpled all with dew,
And seemed to view with pitying air
The dim gray atoms lying there.
Ah! bonny rose, all fragrances,
And lite and hope and quick desires,
What can you need or gain from these
Poor ghosts of long forgotten fires?
The rose tree leans, the rose tree sighs;
And wafts this answer subtly wise;
"All death, all life are mixed and blent,
Out of dead lives fresh life is sent;
Sorrow to these are growth for me
And who shall question God's decree?"

Ah, dreary life, whose gladsome spark
No longer leaps in song and fire,
But lies in ashes gray and stark,
Defeated hopes and dead desire,
Useless and dull and all bereft—
Take courage, this one thing is left,
Some happier life may use thee so,
Some flower bloom fairer on its tree,
Some sweet or tender thing may grow
To stronger life because of thee,
Content to play an humble part,
Give of the ashes of thy heart,
And haply God, whose dear decrees
Take from those to give to these.
Who draws the snow-drop from the snows,
May from those ashes find a rose.

For The Maryland Farmer.

# APRIL WORK.

BY THE EDITOR.

Frequently we resolve that we will not write anything about the work for the month; but just as frequently someone comes in and asks us, when shall we plant this vegetable, or when shall we set out this kind of plant? Of course, this tells us there are hundreds who wish to be reminded of these things, even

although they may be well informed on the subject, and straightway we reconsider our resolve. But how will it be possible to give any information which has not already been written and printed hundreds of times? No matter; if the truth is given each year, so each year there are new eyes interested to read it and new hearts ready to receive it.

This month, first of all, we wish to say to every farmer who may read this: If you have not a good orchard on your farm, resolve now that you will have one. It is true you may not live to eat the fruit from trees planted out this spring; but your children may eat of the fruit. If neither you nor your children, some other man, or some other man's children will have that pleasure. You will plant for yourself or for your family; but in any event you are planting, and in doing so you are bestowing a blessing upon all who may come after you. It is a good deed and will have its reward.

The young farmer should certainly the foundation for less work when the

the three score years and ten have passed by, he will feel that a few hundred dollars from an orchard, where the work has been comparatively light, will not be unwelcome. Provide when young and strong, active and vigorous, for these later years when the will may be just as good, but the muscles are not so ready to achieve in laborious fields.

Plant then goodly orchards of Apples Pears, Quinces, Peaches, Plums, Cherries. Do not confine yourself to any one fruit. All are good, and in years when one may fail, another may be in full bearing. Learn which are the best kinds for your soil and particular location, and during this month plant them-begin the good work for which you will have every reason to be thankful, as the years go by.

But not only should you consider now the orchards as your April work, other things belong also in this line. farmer should plant for the future as well as for the present. Our wife used to say to us when we were talking about flowers: "Why don't you plant something which will last more than one This planting over and over every spring, when there are plenty of perennials just as beautiful, is so much useless work." It is on this principle, but on a much greater scale, we advise farmers to lay out their work. Do it plant orchard fruits, for he thereby lays for years, instead of for 1895 alone. Choose crops which shall last as long as vears accumulate upon his head. Before your farm and you may be connected.

It will save you work, it will save you money, it will save you seas of anxiety and trouble. Among the small fruits choose currants and gooseberries, and among vegetables asparagus and rhubarb. Place these out in liberal quantities for field culture, and you will soon come to be grateful for this suggestion of April work in the Maryland Farmer of 1895. Properly cared for they will last your life time; and they will, three years from now, be a source of revenue. In the meanwhile you can raise between the rows of bushes fully enough to pay for all the labor von may bestow upon your plantation.

Those who are within reach of good, near-by markets should this month-if not now provided—consider the advisability of growing the more perishable small fruits: Strawberries, blackberries and raspberries. This is the month for spring planting of these things, if to be done this year. We do not advise everyone to plant extensively of these unless they know where they can obtain plenty of pickers and have a quick market for their crop. However, if you have none now for your home consumption, don't let the month go by without putting out enough to supply your table in the years to come. They are a luxury which costs nothing, but yields unlimited pleasure to the family.

In our March number we made suggestions, pointing out the hardy vegetables. If not planted in March, plant them now. If planted, and they did not succeed in making a stand, plant again this month. Plant successive crops of peas. Bush beans are half they will stand quite a frost and there class, as to life's necessities; and no one

will be time to plant again, if a heavy freeze should kill them. Sweet corn is also half hardy and may be risked the last of April.

During this month all the garden herbs, thyme, sage, marjoram, etc., may be planted; and do not neglect to have plenty of lettuce. And now, for the gentler sex, who have flowers and are never at a loss for work in the flower garden, this is their time for out door work-healthful and full of pleasurerenewing the stakes to the rose bushes and writing the name of each more plainly; loosening the earth about the plants and giving them all needed cultivation; preparing seed beds that they may be thoroughly warmed when the proper time comes for sowing annuals. Thus variety is given to our daily life and the toils of our lot are sweetened.

Let us remind the farmer that by starting in the hot bed cucumbers and melons in old strawberry boxes, and then transplanting them, when all danger of frost is past, without disturbing their roots, much earlier fruit may be obtained, either to sell or to consume at home. We have tried these, and also sweet corn, and found it in each case a success.

This month's work should be pursued with energy and with a sturdy feeling of confidence that it is the beginning of what shall be made a prosperous and happy year. Let one and all cast behind us whatever may seem gloomy or discouraging, and go forward fully satisfied that we shall be able to make this year's work tell, for both the present and the future, on the side of happiness.

Certainly we have a thousand times hardy and may be risked this month; less anxiety and care than any other has a better foundation for perfect contentment with his lot of life.

#### Thoughts on Horticulture.

Our deciduous trees are rapidly being cut down and this great country will be almost treeless in time unless we do something to make up for this continual drain. It is the duty of every enterprising man who owns a piece of ground, large or small, and has any spare space, to plant trees. The man who does this is a public benefactor. It was a magnum bonum for this country when Arbor Day was established. Thanks and commendations are due those who labored in its behalf. Does the fruit grower enjoy winter? True, his vines are leafless, save the strawberry which is quietly nestled beneath the snow and which is so quick to greet the first indication of sweet spring. I don't see how any fruit grower can be sad with beautiful currant jelly preserved raspberries and so many other forms of choice fruits upon his table to remind him of the season past and gone. There is a pardonable pride in growing choice fruits. It is a noble, high minded work, and if a man or woman is not benefited by it they have not made the best of blessings. " Fruits are the overflow of nature's bounty-gems from the skies dropped down to beautify the earth, charm the sight, gratify the taste, and minister to the enjoyment of life; and the more we realize this the more we shall appreciate the divine goodness to us and the duty of providing them to others." Such were the words of the late Hon. Marshall P. Wilder, the highly esteemed president of the American Po mological Society. Dear reader, it will do us good to ponder over these words

and act upon them. Many a man, wo-man or child is cheered even by the thought of fruits, flowers, etc. How many watch for the first peep of the crocus and tulip or the lily through old mother earth, and oh, how it awakens new life and happy anticipations.—John M. Wise, in Western Rural.

For the Maryland Farmer.

# FISH AND GAME PRESERVATION.

#### BY JOHN HENRY KEENE, JR.

Mr. Editor;—I beg to return my thanks for the insertion in your invaluable Maryland Farmer of a recent letter of mine to the Baltimore American upon the subject of Fish and Game Preservation. The farmers have enough to contend with; but to be deprived of the pleasure and profit of maintaining for their families and the markets a supply of fish and game is almost an irreparable injury.

The monstrous abuse of tramps, poaching upon their waters and grounds, has been so long continued that the farmers have scarcely the feeling that their rights are invaded; but a right of property in tarrapin, game and fish on their waters and grounds is as much an incidental and easement as any other of the incidents and easements which the law attaches to realty.

It is not in America as in England—where half the ground is owned by a hundred and fifty; nor in Scotland—where it is divided between ten or a dozen people, but a great revenue has been derived for a quarter of a century from ducking shores, which to day are valueless to their owners and yield no taxable revenue to the State, simply

because of the "spirit of do-nothingness" upon this important subject.

I have frequently conversed with intelligent farmers who saw the matter in the same light in which it presented itself to the writer. They all said, one political party always considers it their first duty to oppose everything good that the other party proposes, so that it has been impossible to secure for the whole State such uniformity of legislation as would produce the wished for results. What we need in the Maryland Legislature is trust worthy-law makers on this all important subject.

If we could have a general uniform protection under proper laws and their impartial enforcement as to fish, game and tarrapin, large resources would shortly be realized. The streams would be stocked, quail would increase rapidly, and each farmer could get a royalty on each bird, or rent out the privilege.

There must be a simple, but scientific way of handling this question, to obtain the best results, a way which will deal effectually with that dog and gun trampdom, which puts such a heavy burden upon the farmer's wife and daughter, upon his chicken roost, his vegetable garden, his orchard and his field, to say nothing of the aggravating nuisance of following up marauders, who, against the law, fish rivers and streams on all days, at all places, in and out of season, and pursue their nefarious practices the whole year.

I also think that vagrant mongrel rabbit and quail hunting dogs are great destroyers of young rabbits, and birds, and poultry and the needed legislation should make the necessary law to prevent it.

These are general suggestions intended to invite only the better judgment of those, whom I ask kind permission to address through your columns.

#### Dishorning Cattle.

Horns are not particularly ornamental to cows, and often become positively dangerous on bulls. While we are waiting the slow process of "breeding off" horns, it may be well to know that horns may be easily and with little pain removed when the animal is young. As soon as the horn becomes prominent under the skin raise the flap of the skin with a sharp knife and remove the embryo horn, which will be found beneath. A little tar over the slight wound will protect it from the air, and it will soon heal.

For the Maryland Farmer.

#### VANSVILLE FARMERS' CLUB.

The March meeting of the Vansville Farmers' Club was held at the residence of Mr. Wm. Snowder, in Laurel, President Cassard, in the chair, with Mr. Loweree, as Secretary. Members present were, S. W. Beall, A. J. Bennett, Wm. Snowden, Wm. F. Powell, D. M. Nesbitt, John Snowden, H. M. Magruder. The guests were, Profs. Brinkley and Robinson of the Maryland Agricultural College; Chas. H. Stanley, Stephen Gambril and J. E. Berry, A resolution was offered and adopted, requesting the B. & O. R R. Co. to furnish a daily freight train running on schedule time between Washington and Baltimore, to carry trucking crops of farmers between the above cities in time for the markets. A Committee will see the company. Mr. Wm. Snowden, read an article on "Agriculture in this section forty years ago and at the present time."

The April meeting of the Club will be held at the residence of Mr. Sam'l W. Beall, Beltsville. Mr. Snowden entertained the Club at supper. Compiled for the Maryland Farmer.

#### INTERESTING ITEMS.

The last cup of the frolic is generally the hic-cup.

Beware of enemies reconciled and meat twice boiled.

Don't depend upon your own lungs alone, use the lungs of the press.

The first newspaper was issued in Boston, under the editorship of Benjamin Harris, 1690.

The Assembly of Maryland passed the first act for the naturalization of aliens in the year 1666.

The southwest wind is the most prevalent in England. It blows on twice as many days as any other.

Tory is said to be an Irish word denoting a robber or a savage, or from the word toree (give me your money).

The Book of Job, written about 1520 B.C., describes very accurately several processes of smelting different metals.

In France the population averages about 187 to the square mile. In this country the average is 21 to the square mile.

Railways in Holland are carefully managed. Accidental deaths on them average only one a year for the entire country.

The largest crucifix in the world is in a cemetery in Buffalo. It is of granite, is twenty-six feet high and weighs thirty tons.

H. McK. Twombly, a son in law of William H. Vanderbilt, has spent \$1,500,000 in building a model stock farm at Madison, N. J.

A new marking ink pencil has the solid color at one end in the usual manner and at the other end a receptacle for a liquid mordant.

It is said that the frigate bird can fly at the rate of 100 miles an hour and live in the air a week at a time without touching a roost.

West Virginia has a girl hunter whose aim is death to bears. She has a record of seven large animals of the bruin family during the past year.

Dr. Stephen H. Tyng is said to have broken straight down in the midst of a first-class

sermon, when Henry Clay entered the room, forgetting that the distinguished orator's name was an exact description of the material of which we are all made.

The oldest bridge in England is at Crowland, formerly Croyland, in the South Lincolnshire, and was built over one thousand years ago.

The poet Shelley was passionately fond of sailing: would often lie at the bottom of his boat and read, letting the little craft manage itself; and finally was drowned, off the coast of Italy.

In a lecture delivered lately in Washington by Col. Robert G. Ingersoll, he gave utterance to a vehement diatribe against vivisection which was enthusiastically applauded by the audience.

The periophthalmus, one of the most remarkable of the several species of dry-land fish catalogued by the naturalist, is a native of Mauritius. He is only four or five inches long, but has a big head, very prominent eyes and side fins which bear a strong resemblance to legs. They have the curious habit of leaving the water in the evening and spending the entire night hunting the nocturnal insects which inhabit the muddy flats near tide water. A similar species of New Zealand are called "running fishes" by the natives.—The Philadelphia Press.

The introduction of the kangaroo into the United States has been seriously proposed: and, in the light of Mr. Robert C. Auld's presentation of the subject in the Overland Monthly, there would seem to be many good reasons in favor of the Americanization of The kangaroo would in this marsupial. some measure take the place of our now defunct buffalo. It is of a hardy character, and can be acclimated in this country, is easily domesticated, breeds readily in captivity, is easily maintained, has excellent and abundant flesh of a very edible kind, is extremely valuable as a fur and leather producer, and can be procured cheaply and without difficulty. These and other points favorable to the introduction of the kangaroo into this country are advanced by Mr. Auld.—Journal of Zoophily.

For The Maryland Farmer.

#### ETHICS IN TAXATION.

It is not a little curious that men continue to uphold and defend systems of taxation, which, after centuries of trial, have been proven not only inadequate but destructive; and which are antagonistic in principle to the spirit That spirit demands free of the age. co-operation as opposed to selfish competition—the harmonious development of every member of the body politic-the social organism-instead of, as we see at present, the pampering of one at the expense of others. Until we see clearly that the law of our social life is one with that of our physical and spiritual lifeand that it is all God's law-we shall never find the true basis of taxation, which is ethical.

Some courage is required to assert the connection of ethics with taxation, in the face of a public opinion which relegates the whole question to the domain of self-interest and cunning. According to prevalent views society is divided into hostile camps and the duty of legislators is to inflict injury on supposed enemies and obtain advantages for friends by any means whatever. It cannot be too strongly urged that this state of the public mind is the source of the greatest temptations to men in public life, prevents the spread of just economic ideas, and retards true civilization; for we can never be said to be truly civilized as long as class is arrayed against class in unchristian antagonism, and the increase of wealth is accompanied by the sure degradation of the masses.

Something is manifestly wrong—radically wrong—in such a system. Though men talk glibly about pauperism as the

"natural and inevitable accompaniment of progress," and learned professors write books proving it, at least to their own satisfaction, we have only to look deeper to see how false is the assertion with which human beings thus seek to quiet conscience, when conscience asks, as of old, "Where is thy brother?" For what after all is this progress which is thus falsely supposed to demand the sacrifice of man to man? Is it not the evolution of man's social life through art and science; through the exercise of human powers upon material things? And what pray is there in this Godordained evolution that requires the sacrifice claimed for it?

As well say that the perfection of the physical body demands the mutilation of the "less honorable members"—that the evolution of the spiritual man is to be brought about by the destruction of the less exalted faculties, as to assume that the improved social conditions made possible by human genius and effort directing nature's forces are by a natural law, the special privilege of the few. There is no such law; let us not fear to boldly proclaim it; nor can there be in a world divinely governed. Those who assert such doctrine are the real atheists, the true deniers of God, the defiers of His law. That law is one. harmonious, immutable, ordained for the ultimate evolution of a world and a race of which in all times prophetic souls have caught glimpses-a world which "the knowledge of the Lord shall fill as the waters cover the sea;" a race of which the apostle declared, it "shall be like Him; " a civilization in which class shall not be arrayed against class, but all "shall be as members of one body,"

mutually dependent, mutually helpful; one organism animated by the true spirit of co-operation. It is true we are yet far from the realization of this ideal but faith in its possibility, is awakening in many hearts; the faith destined to change the social ideals of the world.

It may be asked what has all this to do with taxation? Much in every way.

First, because taxation is the clearest expression of the power of government, and, if left without a basis in morals and given over to unscrupulous men, becomes the most powerful weapon possible against the lives and liberties of the people. Through the taxing power the people of England saw their heritage the land of England—given over absolutely into the hands of a small class and themselves left landless. It was done by the simple act of removing taxes from privilege-the holding of land, which was the people's commonwealth—and placing them upon comsumption, where they will remain until men's eyes are once more opened to the vital relation of land to human life, and they see that the land question is the labor question.

The story is as old as the world, but men are still blind to the lesson it teaches. They feel the weight of the burden, but do not see that, to find the right adjustment they must look not to selfish feeling, but to ethics. It is a question of morals, not of expediency—a problem to be solved by honest thinkers, not by shrewd and unscrupulous politicians.

It is the fashion to laugh at idealists who are supposed to be a very silly folk; but in fact nothing lasts that is not based upon the ideal. Our appeal is always to the perfect. Behind every code is the ideal law; behind every invention the ideals of pure science; behind art

the aspiration after ideal beauty; behind religion the thirst for God. we reverse this instinct of our nature and in economics declare that we take our stand on the lower? Shall we assume the science of social life to be based upon selfishness, greed and cunning? or rather shall we not listen to those earnest men who from a profound study of these problems have come forth to announce the good news that the dark problems confronting us are not insoluable; that social evils are not the fruit of progress, but her greatest impediment; and that we are suffering from mal adjustments born of human ignorance, not from any imperfection in the purpose or provision of God for the race?

One thing should not be forgotten, for it explains much that now perplexes and discourages all true lovers of humanity. The social life of man is not a thing apart, but is, so to speak, the soil out of which individual life springs and is nourished. It furnishes the environment, the powerful moulding forces, that determine what the man is to be and become. It is useless to expect, upon social conditions, organized and permeated by selfishness and greed, to found a pure family life or cultivate an exalted spirituality. Life is one. At the heart of its infinite variety is vital unity. We cannot get away from our fellows if we would. Humanity is bound together by a tie no man can break. Very slowly is the world learning the lesson taught by inspired lips two thousand years ago, repeated by experience and confirmed by science—the lesson that the whole universe is under one law, its parts all fitly joined together, its members many, but A. L. G.

Compiled for the Maryland Farmer-

#### FARM ITEMS.

Paint all tools exposed to the weather. Hold on to your sheep, especially the good ones.

Keep the trunks and leaves of fruit trees clean.

Keep the strawberry beds clear of weeds, water them freely in dry weather.

The growing of pop corn, the last few years has become quite an industry.

Farming is a business and must be carried on under simple business principles.

Prepare a bed about the middle of this month and sow celery seed for the general crop.

He only is a good farmer whose crops increase and whose stock improves year by year.

To lay off a square acre of land, measure 209 feet for each side of your square, and it will contain an acre within an inch.

Mangers should be low, and stables well ventilated and lighted. Many horses are made blind by being kept in the dark.

It is absurd to talk of soils of inexhaustible fertility. There are no soils so rich but bad management may exhaust them.

It is said that four pounds of salt pork cut fine, and put into a barrel of cider when first from the press, will prevent it from ever turning sour.

It is said that it you will give a sow a slice of salt pork each day for eight or ten days before farrowing it will prevent danger from her eating her pigs.

Sunshine and light are not necessary to germination. But seeds must be removed to light as soon as they break through soil. An easy way is to start the seeds in boxes heated with lamps.

For colic in horses. Take one pint of wiskey, half a gill of spirits of turpentine, and half a gill of spirits of camphor. Dilute these ingredients in water sufficient to fill a quart bottle. Use it as a drench, and it will afford relief in a few minutes.

If the scabs on the udder of a cow are round and the size of a dime and have a white centre with a red border, they indi-

cate an attack of cow pox, which is a contagious disease, and will spread through the herd unless proper precautions are taken to prevent it. Separate the diseased cow from the others at once. Send for the veterinary.

A farmer noticed that his herd of sixty cows was in a bad condition. He gave them warm water to drink, and in a few days the milk yield was increased from 560 quarts to 650 quarts. A steam boiler was used to do the heating.

Lime by being exposed to the air a month or two will generally become slaked quite fine, and may then be applied to land, either upon the surface or harrowed in on plowed soil, which is the best way. Lime slaked by water is not injured at all.

Run a sharp, heavy harrow over such meadows and pastures as are hidebound, previously dressing them with the following mixture: 10 bushels of wood ashes; 5 bushels of fine pulverized bones; 1 bushel of refuse salt, and 1 bushel of plaster.

The early potatoes should be put in the ground as soon as it is possible. That is, a small quantity for domestic use, the main crop being planted as late as may be safe. It is a mistake often made to get the main crop too early, so that it is ready for harvesting in the busiest season.

In the hands of the average farmer that breeds pigs only for feeding, a sow bred and grown on his farm without pedigree, if of good individual merit, will often be of more value for breeding purposes than a high-bred animal purchased off his farm, but she should be mated to a pure bred male.

Always have ewes in good condition at the mating season. If they are poor, they will not likely breed until they put on a good deal of flesh. This may prolong the lambing season many weeks, which would not be desirable. The ewes are likely to be lean when the lambs are weaned. If they have a wide range of pasture, they will probably flesh up before the season of mating, without requiring any other food. On the other hand, if the pastures are parched and dry, and if the range is limited, they should be fed some grain daily.

For the Maryland Farmer.

#### SCIENTIFIC FERTILIZATION.

BY DR. M. G. ELLZEY.

President of the Maryland Farmers' Alliance.

[Article No. 9 of a Series of Papers on this
Important Subject.]

Among the ash minerals of plants Potash holds a prominent place. The plant suffers more obviously and promptly as it approaches the minimum than is the case with any other mineral. Precisely in what way potash is essential to the formation of living from non-living substance, we know not; but that it is in some way essential we know. Hence any soil deficient in available potash is conspicuously infertile in proportion to the scarcity of that mineral.

In the mineral feldspar the potash constitutes about 14 per cent of the entire weight, and in mica we have as much as 9 per cent of potash. Both feldspar and mica are constituents of the granite rocks, and soils formed from the decomposition of granites are very rich in potash. In soils formed from the decompsition of limestones, sandstones, and slates, and in the sandy soils of coast regions, potash is apt to be deficient; and in such localities an artificial supply of potash may be essential to the profitable culture of the soil or the profitable use of other fertilizers.

In our own State of Maryland we have the granite soils along the Patapsco, in Howard and Baltimore counties, vast natural stores of potash; and in the silicious clay sands of the Eastern Shore and Southern Maryland notable deficiency of it. In the former section to buy potash for manure would be wasteful and ridiculous; in the latter scientific economy demands its free application.

It must be remembered that potash leaches out of the soil with considerable facility, and is apt to carry out along with it the nitric acid. It is not correct practice therefore to make heavy applications of potassic manures at long intervals, but rather systematic and continual applications of moderate quantities. It has been mentioned that one of the effects of the application of lime to soils containing potash in non available and insoluble mineral combination, is, that the lime liberates the potash from the non available and insoluble combinations in which it is locked up, and so the lime becomes a feeeder of potash to the crop; and also, it should be remembered, a leacher of it out of a soil in which it may be already present in insufficient supply. To such a soil lime may be easily so misapplied as to do harm. ought very obviously to be applied in moderate quantity when the soil is to be occupied by a crop which is a voracious feeder upon potash. This vicarious action of lime in supplying available potash to the crop is noticeable also in the case of gypsum, and accounts for many of the discrepant results from the use of plaster on different soils.

Undoubtedly the deficiency of potash renders the application of other expensive fertilizers more or less abortive. A fertilizer rich in ammoniates and phosphates freely applied to soil in which the deficiency of potash is overlooked may be followed by disappointment and loss. In Southern Maryland, in certain portions of Anne Arundel county, complaint is made that fall applications of costly fertilizers produce no appreciable increase in the crop. It seems very probable that deficiency of potash is the

cause of it; for not only have those soils long been cultivated in tobacco, which makes large draughts upon the potash of the soil, without any artificial replacement of it; but it is cer ain that these soils are deficient in potash and that they bear no mineral from the decomposition of which the available potash can be continually replenished. If the fer tilizers used on these lands invariably contained a large per centage of available potash, and if, while lying in grass, they received top dressings of potash salts, the application of nitrogen and phosphates to cereals and tobacco might then be found profitable. It is moreover evident that the application of lime to these soils may be easily over done unless accompanied by both organic and potassic manures.

#### THE PERFECT SHEEP DOG.

An English Fancier's Journal gives the following description of the Scotch Cooley.

To win a first prize in a first class dog show, a dog would have to fill all these conditions;—The head has a great resemblance to a wolf's-being rather conical and going off gradually sharp to the nose, with a long jaw, only longer, and with a foxy and intelligent look, and wider and longer ears, which are a little fathend and pendant, eyes have a sort of flashing and "miss nothing" look, always on the alert, jaw long, nose sharp, neck long and well furnished, with apron ruffle, shoulder fine and deep, chest well let down, legs straight and full of muscle, with cat like feet. A good, broad back, and thick over the loins, with well bent hocks, stifles well developed, tail feathered, not curved over the back, coat long and straight, wiry to the touch with a pily coat underneath the "overcoat." Color various, but that most in vogue is black—and tan, the tan to be pale, not rich.

For the Maryland Farmer.

#### PATUXENT FARMERS' CLUB.

The regular March meeting of the Club was held at "Ashland," the residence of Mr. Wm. G. Brooke. F. W. Hill, President in the chair, with F. Snowden Hill, Secretary. The following members were present, Eugene Roberts, Dr. R. S. Hill, Upton Brooke and Mr. James Hill. Mr. Wm. G. Brooke entertained the Club with a most excellent essay on "Making Tobacco Beds." Among other things he said: Use vergin soil when practicable. Many tobacco growers however used the same bed continuously, by manuring heavily with well rotted manure and a good chemical fertilizer. advised covering with cotton and making the beds long and narrow. Cotton forced the plants and aided in keeping off the fly. Some of the members advised the use of salt in beds 1 to 11/2 bushel to 400 square yards. The question to be discussed at the April meeting will be "The planting and cultivation of Tobacco." A genuine southern Maryland supper was supplied and heartily enjoyed.

#### Biggest Chestnut Tree.

According to Dr. George Russel, of Hartford, Conn., the largest chestnut tree now growing on American soil is one standing in the town of Mansfield, in the above named State, on the land of a Mr. Whipple Green. It is in an open pasture, about three quarters of a mile east of Mansfield Station. The circum ference of the tree at the height of four feet from the ground (which is sufficiently high to be clear of the gnarled roots at the buttressed base) is 23 feet 3 inches.



HUGO.

#### HUGO, 17567.

Bay Horse 15½ hands, foaled February 4th, 1887, 4 year old Race Record 2.27½. Bred by the Hon. Leland Standford at Palo Alto, California, now the property of Mr. Frank N. Hoen, of Baltimore, Md.

The breeders of our State can well be proud of this horse, the first Electioneer to come to Maryland.

Hugo is a typical Electioneer in every respect—smooth, compactly built, broad and intelligent head and eye, with a coat equal to the finest thoroughbred and with the quietest, most tractable disposition. A horse that at once shows by every action his breeding, his intelligence.

Electioneer, his sire, the "Hero of Palo Alto," sire of Arion (4)2,07\(\frac{2}{3}\), Sunol, (5) 2.08\(\frac{1}{2}\); Palo Alto 2.08\(\frac{2}{3}\) and over 150 other trotters with records better than 2.30, is acknowledged the greatest trotting sire the world has yet seen, having held by his sons and daughters all the World's Trotting records, except the long distance records, a feat unparalled and the like of which will probably never again do honor to a single horse.

Helpmate, the dam of Hugo, was got by Planet, sire of the dams of Palo Alto 208\(^2\), Big Jim 2.23\(^2\), Paola 2.26\(^2\) &c., &c., second dam Full Cry by Vandal, son of Imported Glencoe, and sire of dams of Praeter 2.29\(^1\) &c. Third dam Springbrook by Lexington, sire of the dams of Ansel 2.20, Nora Temple 2.27½ &c.

It will be seen the Breeding of Hugo 2.27½ is almost indentical with the late Senator Standford's pride, Palo Alto 2.08¾, the top crosses being the same, the second dam of Hugo being by Vandal, son of Glencoe, while Palo Alto, second dam was by Glencoe.

At Palo Alto, Hugo's individuality and breeding were held in high esteem, as is evidenced by the class of mares bred to him.

His oldest colts will be three years old this summer.

Mr. Malcolm Forbes, owner of Arion 2.07\(^3\), Nancy Hanks 2.04, &c., recently purchased of the Leland Stanford estate a most promising colt by Hugo (Mr. Forbes buys only the best that are to be had, regardless of cost).

The first colt sired by Hugo in Mary land was foaled Sunday, March 10th last, dam by Cylburn, son of Aberdeen. If we may judge of the sires produce by this first foal, the breeders of this State may be sure that this young sire will hold a high place among our best class of trotting sires.

"Hugo" was awarded first Premium, for Standard bred stallions at Timonium Fair 1894 and also first premium, Champion Class, standard bred stallions at the Baltimore Horse Show—the highest premium awarded by the Association.

#### UTILIZE THE BONES.

I never throw bones away; but on the contrary gather all I can find scattered about, and purchase all I can get, to manufacture into a fertilizer. The process is very simple and inexpensive: Take a strong tight barrel, or a large

box constructed for the purpose, and place a covering in the bottom of about four inches of unleached ashes. this place a layer of bones, as close as they can be packed together, and then cover with unleached ashes so as to hide the bones completely, when another layer of bones can be placed, and thus alternate askes and bones until the vessel is filled. If the vessel is very large, water should be poured in when every four or five layers are on; but with a common barrel it is sufficient to pour in a couple of pailfuls when the barrel is full; or, better still, place the vessel out in the yard, where it will get sufficient moisture from occasional showers. If kept under cover, water has to be supplied in very small quantities, sufficient to keep the mass moist. Leave the vessel thus all winter, and in the spring it will be found that the bones are dissolved. empty the mixture out and add hen manure for my onion bed or decomposed grasses and weeds, or stable manure for other vegetables. L.

For the Maryland Farmer.

#### SHEEP.

Every farmer would find it to his advantage to have a small flock of sheep as they serve so many purposes on the farm. A small flock will cost comparatively little to establish, and once established will grow rapidly. A few well chosen stock sheep, costing from \$3 to \$5 each, and a good ram, costing perhaps \$20, will make an excellent commencement. It is not well to begin too largely in the purchase of a flock, for the necessary experience and care can be gained with a few.

Consider the many advantages grow-

ing out of a small flock: In England and Scotland, which, in their small territory, nearly equal all kept in the United States, it is asserted that if for no other purpose they would be profitable as a source of fertilizing the fields and as weed destroyers. On many of the farms in this country the same would be found to be the fact. Then as a source of food for the farmer in the place of so much pork, or as a change from pork, no meat could equal it, and it is well to know that unless it is raised on the farm it will seldom or never appear on the farmer's table; for only on rare occasions does the farmer purchase from the butcher. The sale of sheep for mutton is sufficient for a reasonable profit if that alone were the only income from the flock; it is generally admitted that the consumption of lamb and mutton is becoming more general year by year. The scare produced by pleuro-pneumonia and tuberculosis of cattle is having the effect of bringing mutton forward as a more desirable article of food. But the wool should not be lost sight of; although we think a great deal too much of the profit is based upon the wool product. It is certainly a very great item in the commercial world even though it may not figure very largely on the credit side of the farmer's flock account. Still, if the flock will pay in these other respects, independent of the fleece, the wool income will be so much additional net profit, whatever that may be.

But here comes in the idea of the dog nuisance as one of the great drawbacks. It is undoubtedly a serious obstacle. Still in some of our States, the laws have been made strong enough to protect the flock, and the privilege of kill-

ing dogs astray on the farmer's premises has been accorded in Massachusetts and some of the New England and Middle States. It should be copied into the statutes of all our States until the nuisance is abated. A strong and united presentation of this matter to our legis lature would accomplish it; although merely spasmodic efforts of a few individuals have not as yet succeeded in giving us so desirable a law. With this to contend against, however, a few sheep on every farm would soon operate to train public opinion to abolish dogs effectually from the catalogue of evils.

When we consider that the Argentine Republic numbers its sheep upwards of 100,000,000, while the entire number in the United States and Canada only reaches that amount, we can see what room there is for this industry among our people.

#### HARVESTING OF WHEAT CROPS OF THE WORLD. Wheat Crop of France.

The official report on the wheat crop of France for 1894, just published as

furnished the Department of Agriculture, Hon. Sam'l, E. Moss, Consul Gen'l

of Paris, says:

"Every month of the year a wheat crop is harvested. January, in Northern Australia, New Zealand, Venezuela, Peru, and in other countries of South America; February and March, in India and Egypt; April, in Persia, Syria, Cyprus, and Asia Minor; May, in China, Central Asia, Japan, Algiers and Morocco; June, in California, Oregon, the Southern United States, Spain, Portugal, Italy, Hnngary, Turkey, Roumania, South Russia, Bulgaria, and the south of France; July and August, in the south of England, France, Northern United States, Germany, Austria, Switzerland, Poland, Denmark, Holland and Belgium; September and October, in Scotland, north of England, Sweden and northern Russia; November, in South Africa, Peru, and northern Australia; December, in South Australia, Chile, and La Plata."

This report also gives the yield of wheat in the 10 districts of France for 1894 as 350,852,938 bushels, and says it is estimated that the crops of 1894 throughout the world, will be 35 per cent in excess of the world's demands for consumption and seed; which in view of the large accumulation from previous years, affords little ground for anticipating a higher range of prices in the near future.

The annual consumption of wheat in France is estimated at from 334,884,008 to 354,750,000 bushels, a quantity not in excess of, if equal to, the probable domestic production for the current year. On the 31st of July 1894 the quantity of imported wheat waiting withdrawal for consumption from the customs entrepols was 1,588,218 bushels, so that there will be a large surplus over the probable demand for the next twelve months, even should not another bushel be imported.

#### WHEAT AS A CROP.

BY ALBERT E. ACWORTH.

The area in Maryland devoted to wheat growing, where it is the staple crop, upon whose proceeds its growers depend for the maintenance of their families and for their profits, is very

large. In view of its present low price, the cost of production, and the wide fluctuation in the yield of the same variety, and of different varieties on the same farm, from year to year, it becomes a serious question whether it may not be laid aside for some other, whose fluctuations of yield may not be so large, and the annual return from which may be more regular, thereby rendering the grower more independent and less liable to be cramped for want of a stable income.

Fortunately for this purpose Bulletins No. 28 of the Maryland Experiment Station and No. 51 of the Indiana Station, taken with the Report of the statistician of the U. S. Agricultural Department, for March last, as to the cost of raising wheat, enable us to approximate to a solution of this question.

In Maryland 9 varieties tested 3 years gave as the highest average yield 36.7 bushels and the lowest 14 to the acre.

In Indiana the same number of varieties tested the same number of years gave 29.08 for the highest yielding and 24.40 for the least.

If we take \$15.28 as the average cost of raising a crop, wheat must yield 20½ bushels per acre to pay expenses at 60 cents per bushel; but the production of wheat in '93 averaged only 10 bushels per acre in Maryland, showing a positive loss to the growers of \$9.28 per acre, and over four and a half millions of dollars supposing the same area was seeded to wheat in 1893 that was in 1892. Now the average export price of wheat from 84.5 to 92.3 was 88.4 cents per bushel. So that taking 10 bushels as the average yield, per Agricultural Report, and 88.4 cents for the price, the grower could

only realize \$8.84 per acre, the cost of production left out.

#### FARMERS MOVING SOUTH.

The movement of the Northwestern farmers to the South has already taken tangible shape. Mr. D. N. Wheeler, of Pender, Neb., has spent some weeks in Alabama and other Southern States at the instance of a number of Nebraska farmers who have grown tired of the protracted winters of Nebraska and are preparing to move to the South. Mr. Wheeler has just returned home and made a favorable report, and as soon as spring opens the farmers will begin to move southward. On Febauary 1, nearly 300 Illinois farmers started on a prospecting tour through the South.

Fifty families left Chicago on February 6, for Arkansas on a special train bearing the inscription: Farewell to Drouths, Blizzards, Crop Failures, Doctors' Bills and Mortgages. They were fleeing from the blizzards, the long winters, the expensive fuel and the draughts upon vitality of the northwest. A number of Iowa Dutchmen have bought 25,000 acres of land in Louisiana. They find Louisiana very similar in soil, climate and surroundings to Holland. Two hundred families will shortly remove from one section of the Northwest to Florida.

Some Ohio peach growers are putting out 2,000,000 peach trees in Georgia. They propose to duplicate Peachtree Street, Atlanta.

It is estimated by the New Orleans papers that nearly 10,000 settlers from the Northwest have recently moved into Southwest Louisiana. Car loads of immigrants with goods, stock, etc., are arriving at Crowley, La., every day, and

not a barn, shed or habitation of any kind is unoccupied. At Norfolk, Va., Galveston, Tex., Lumberton, Ala., Jackson, Miss., and other places Northerners have lately settled. The agents of South rn railroads report that the number of applications for transportation rates from the West to points in the South is uprecedented.

The good work of Gov. Northern Majer Frank Y. Anderson, Mr. P. Sid Jones and others is bringing fruit even before winter breaks up. The invasion of the South by the North this spring will excel in numbers the invasion of the spring of 1863, but whereas the Northerners came thirty-two years ago to burn and destroy they come now to restore and to build up.—Birmingham Age-Herald.

We are very glad to place these items in the Maryland Farmer. We would add to them that the immigration from the West to Maryland is constantly on the increase, and this spring promises very large additions of substantial farmers to the Eastern Shore and the Southern counties of our State. The colony of over one hundred families, settled in Dorchester county, have sent glowing reports to their friends in the West and also to Europe, and the effect is being felt in the demand for tracts of land suitable for colonies in that section. It only requires a little additional energy on the part of our citizens to secure a very large portion of these western farmers for our State.

The steam plow and its economy on large farms has been recognized for some time. Now some German has invented a plow driven by chains drawn over a roller propelled by electricity. It is said to do the work cheaper than horse power, and can be used on small farms by several of the proprietors joining in its ownership or by an individual owner taking contracts for plowing.—Butchers Gazette.

For the Maryland Farmer.

#### REMEMBER.

The Farmer's National Congress, at its last session at Parkersburg, Va., made prominent this advice to the farmers of our country, viz:

"That they insist upon a fair representation in the nominating conventions of the political parties, so that Governors of the State and State Legislatures may represent properly the farmers' interests."

It may be presumed that the great change which has occurred in the sentiments of the people has rendered even the State of Maryland one of the doubt ful States in a political sense, and it is hoped that farmers in both the parties will insist upon a full representation in the nominating conventions of both democrats and republicans.

The past shows especially how very important it is that not only the legislature, but the governor also, should be true to the wishes of the farmers. They have elected in the past men who have made good promises; but only to be sadly disappointed. You are earnestly exhorted to send such delegates to the nominating conventions, that there will be no mistake as to the men who shall be elected the coming fall. Do not take it for granted that all will be well. It will not be well unless you make it so.

Democratic farmers attend to your

party conventions. Republican farmers attend to your party conventions. The interests of the farmers are one, no matter which party succeeds; and we must have the farmers' interests looked after closely.

#### THE PECAN TREE.

A pecan tree is as hardy as an oak, and can be grown where any "hardwood" growth abounds. Select for planting, the largest obtainable nuts from the thin shelled variety, as these are more valuable, in any market, than the thick, hard shelled kind. At two or three years of age transplant to the place where the tree is to grow and prune so as to obtain a lateral spread of branches rather than extreme height, which is always an objectional feature in the tree. complish this purpose, the trees should be planted forty or fifty feet apart, each way, cultivating between the rows with garden truck, or by growing peach or pear trees, till the entire space is needed for the pecan tree, when they can be cut

A pecan tree, under favorable circumstances will begin bearing at ten years from seed. At fifteen years it will pay its owner considerable annual profit. At twenty years it may be considered in full bearing. It will continue to do so for generations, there being no limit to its capacities in this direction. It lives to a very great age.

The pecan is valuable for its wood and timber as well as its fruit. It is equal in value to hickory for farm use, and can be used for the same purposes. It is an ornamental tree and a grove upon a plantation adds largely to its pecuniary value. Its culture should be

extended, especially in localities where timber for agricultural uses is not easily obtained.

For the Maryland Farmer.

#### FEEDING THE COW.

BY N. J. SHEPHERD, ELDON, MO.

Of all stock on the farm it is essential that the cow should have pure food.

A large per cent of the flavors and germs pass off in the milk. This is so much the case that many instances are cited of a cow's eating poisonous substances without injury to herself, but her milk would be so impregnated with the poisons as to be positively deleterious to the health of the consumer.

Milk is more sensitive in receiving and more tenacious in retaining impurities than water, so that whatever of this is imbibed in the water, or devoured in the food, or breathed into the system from impure air, will affect to a more or less extent the milk; and once in the milk no amount of aerating or straining will take it entirely out; so that to receive pure milk from which to make pure, sweet cream, it is very essential that all reasonable care be taken not only to have the food and water pure and clean but the surroundings must be clean.

Really the beginning of cleanliness with the cow is with her quarters. The stables must be cleaned regularly and plenty of bedding supplied, this aids materially in securing proper cleanliness. The best water is that from living wells or good springs. In winter if conveniences are not at hand for warming the water care should be taken to give the milk cows fresh water pumped up directly from the well, as it will be several

degrees warmer than if allowed to stand and get thoroughly chilled. A little care in keeping the tank and surroundings clean will be of help.

The food must be sound, wholesome and nutritious; musty food, or that tainted in any way, is almost certain to taint the milk. On the average farm with a little care a variety can be supplied and this is essential if the best results are secured. A mixed ration is best for milk, both in grain and roughness, while an occasional entire change in the ration will help to keep up a good appetite. A cow must eat well if she gives a liberal quantity of milk, and while it is of no advantage for her to eat more than she can digest and assimilate, it is very important that she eats heartily, as it is from the food that she must manufacture her milk.

#### Origin of Smoking Tobacco.

The practice of smoking tobacco is said to have originated in the practice of burning it as a sacrifice to the gods and spirits, and was generally resorted to for medical purposes; often, as in Mexico, the dried leaves were smoked, with the addition of other herbs and of fragrant gums, after taking food. It was smoked both in pipes and in the form of cigars, the latter being of an enormous size. The Indians in Virginia, at the time of the early colonists, made hallowed fires and cast powdered tobacco therein as a sacrifice to their gods. was also offered as a sacrifice or token of gratitude for escape from danger. doing this they made strange gestures, indulged in stamping, and occasionally dancing, elapping of hands, and staring

up into the heavens, uttering strange words and sounds.

#### NEW HAMPSHIRE COLLEGE.

A bill was introduced into the New Hampshire legislature last Tuesday which is intended to settle all questions as to the curriculum of the agricultural college at Durham and harmonize the differences that have arisen between the faculty and the farmers. It provides for a board of nine trustees, one to be elected by the college alumni and six by the governor and council of the State.

The bill says that the board of trustrees shall see that this institution combine physical with intellectual education, in which the graduate of the common school can commerce, pursue and finish a course of study terminating in thorough theoretic and practical instruction in those sciences and arts which bear directly upon agriculture and kindred industrial pursuits,

In case there should be a higher standard for admission, there shall be organized a preparatory course of one year.

The course of instruction shall embrace the English language and English literature, mathematics, surveying, agricultural chemistry, dairying, forestry, animal and vegetable anatomy and physiology, the veterinary art, entomology, horticulture, botany, geology and such other natural sciences as may be prescribed; mechanical and electrical engineering, political, rural and household economy, domestic arts, moral philosophy, history, book keeping, and especially the application of science and the mechanic arts to practical agriculture, including military tactics.

There shall be a practical agricultural course of two years, which every agricultural student attending this institution shall be obliged to pursue, supplemented by a winter course of agricultural lectures, covering a period of one month, designed especially for farmers. Not less than two hours of each college day shall be devoted by every student of agriculture to practical labor on or about the farm, during the desirable

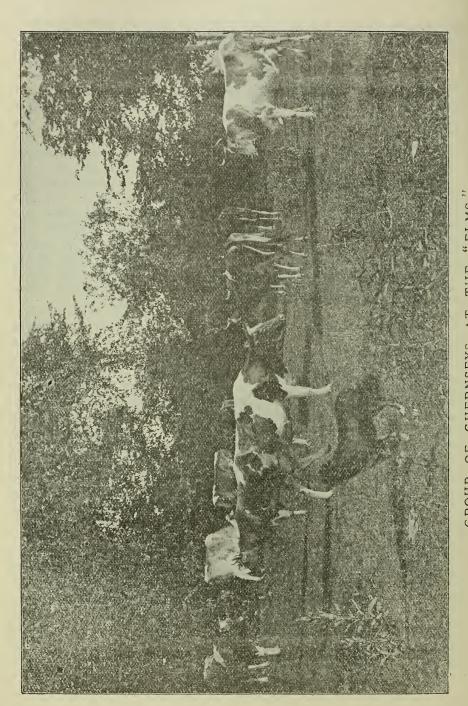
months and during the winter season, as may be decided and arranged by the trustees.—

Mirror and Farmer.

We are very favorably impressed with this action of the N. H. Legislature. We are heartily in favor of having our Agricultural and Mechanical Colleges just what their name implies; while they are subject to the State control, we are in favor of the State making large appropriations to give them the best accommodations possible and to provide all that is necessary for their permanent success. In Maryland, our College is remarkably prosperous, its usefulness only hampered by lack of room for the students applying for admission; and, perhaps-some of the more strict rules of agricultural education seen in the above. Ed.

One of the successful fruit growers of Dorchester County, Md., is convinced that the best way to get good fruit in abundance is to cultivate the apple and peach orchards, and manure the fand besides. He had an old apparently worthless orchard. He turned under a heavy clover sod in July, trimmed the orchard thoroughly and grew crops of corn year after year, not forgetting to apply plenty of barnyard manure. The orchard then bore heavy crops of apples of the finest quality. His rule is to prune, manure and cultivate thoroughly.

There are now in Great Britain ten breeds of sheep for which flock books are published: Shropshire, Oxford, Suffolk, Southdown, Hampshire, Dorset, Cotswold, Cheviot, Lincoln and Wensleydale. To this list says the "Cable" another will be added during the present year, viz; the Kent or Lionney Marsh.



GROUP OF GUERNSEYS AT THE "ELMS," CWNLD BY M. I. WHEELER, GHEAT BARRINGTON, MASS.

#### GUERNSEY CATTLE.

Last October we gave an account of the milk record of Guernsey Cattle, which was very flattering to that breed. In this number we are enabled, by the kindness of Mr. M. I. Wheeler, of the "Elms," Great Barrington, Massachusetts, to give a fine illustration of the cattle from a photograph of his herd, taken by amateurs, of whom his son was a party. For some time the Guernseys have been growing in favor among those who have not been perfectly satisfied with the small Jerseys, so wholly devoted to butter yields, nor with the Holsteins, so wholly devoted to the immense vields of milk, often lacking in butter fats. They seem now to be among the most promising breeds for profit on the farm, and their value is being made known very successfully through the efforts of the Guernsey Club, Peterborough, N. H., of which Mr. Wm. H. Caldwell is the Secretary.

#### NOTES ON CHEESE MAKING IN GEORGIA.

BY COL. R. J. REDDING, Director of the Georgia Experiment Station.

- 1. Character and cost of building:—Any cheap outbuilding, or mere shed, will answer all purposes for making cheese. It is only necessary to be dry and comfortable for the operator. But the curing room should be tight and close, yet capable of ventilation. A good 8 by 10 pantry, or storeroom, such as may be found in most well-built farm houses, would answer.
- 2. Fixtures, machinery, etc:—A choese vat, consisting of a wooden box lined with tin, with a small furnace un-

- derneath; a press with one or more screws, similar to a cider-press screw; a few tin cheese hoops of different sizes; curd knives, strainers, dipper and a thermometer. The entire outfit for a dairy of twenty five cows will cost less than \$100.
- 3. The process of cheese making is, briefly, as follows: - The night's milk is kept in a cool place until morning, when it is mixed with the morning's milk and all poured into the cheese vat and heated up to a temperature of 84 degrees. small quantity of prepared rennet (rennetine) is then added, and the milk is constantly but gently stirred (to prevent the cream from rising) until it commences to thicken. In about forty minutes the milk will become solid; it curdles (you would call it clabber, or sweet curds.) When the curd has become pretty firm it is cut into small cubes-about the size and shape of dice -by means of the curd knives, which is done in a few moments. The heat is then increased until the curds show a temperature of 96 to 98 degrees by the thermometer. This heating is to cause the pieces of curd to contract, thereby expelling the whey. The whey is then drained away, and is used to feed pigs, young calves, etc., being fattening food.

The curd is now salted at the rate of one half ounce of salt to the pound of curd, and the latter is enclosed in a press cloth and put into the cheese hoop and pressed until the whey is all expelled, which will be in about twenty minutes. The cheese is now removed from the press hoop, the press cloth removed, and the permanent cloth "bandage" put on, and then returned to the

hoops and press, where it is pressed with the full force of the press and screws and a three foot lever—the firmer the better.

The cheese usually remains in the press until the next day, or say eighteen hours, when it is marked with date of making and placed on a shelf in the euring room, to be turned over every day and rubbed with the hand. The curing room should be kept at about the temperature of 70 or 75 degrees by opening windows and doors at night and closing up during the day.

The cheese will be ready for use in from three weeks to several months, as may be determined by the maker during the process of making.

- 4. In the South the months of March, April, May, June, August, September and October are the best cheese making months, but cheese may be made at any season. Usually cheese is made in spring, summer and fall, and butter in winter, because butter making requires a cool temperature, which cannot be secured in summer without the aid of of ice, which is too expensive and inconvenient.
- 5. How to dispose of milk when not made into cheese:—It is generally more profitable to sell milk than either butter or cheese; but milk will keep only a few hours, and cannot be sent long distances. Therefore the milk market is easily glutted. Butter making is the better way unless a large number of cows are kept and the local market not reliable for milk. Generally cheese making will be found more profitable than either when operating with a good sized herd.
  - 6. In Georgia nine and one-half

pounds of milk are required to make one pound of cured cheese.

7. As before stated, the curds may be manipulated so as to make a long keeping or short keeping cheese—say from three to four weeks to six months may intervene between making and marketing, according to the will of the maker.

When a cheese becomes ripe, or ready for eating, and it is desired to hold it for a better market, it must be kept in a cool room—in summer time in "cold storage."

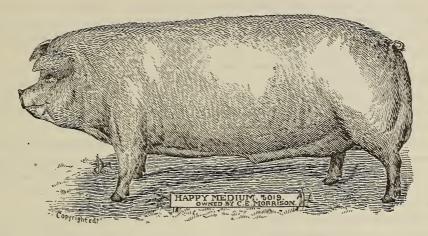
#### The World Moves Too Fast.

That is what a farmer told us at the Chicago fair when he saw the wonderful array of farm and vegetable crops. Think of an oat yielding 200 bushels per acre on 100 acres. (We learn the Salzer Seed Company offer \$800 for a suitable name for this oat wonder,) a wheat 112 bushels on two and one half acres, potatoes 1,000 bushels and grass and clover hay six tons per acre. Truly agriculture moves, and you will be rich and happy if you sow seed. Where can I get them? Only one place in this world, and that is from the Farm Seed Specialist, Salzer.

If you will cut this out and send it with 5c postage, to the John A. Salzer Seed Company, La Crosse, Wis., you will get a sample of Grass and Clover Mixture and their mommoth catalogue free.

#### Hernia Effectually Cured.

It will be well for those troubled as above to know that they can be effectually cured by the Zulouf Rupture Cure, office 1028 W. Franklin Street. This mode of treatment is safe, sure, perfectly painless, and extremely simple. This method was adopted by the discoverer to cure himself many years ago, since which time he has conferred inestimable benefit on others, by relieving them of the same evils. A lady attends on ladies and children. The terms are so low as to be within reach of everyone.



CHESTER WHITE.

#### CHESTER WHITE.

The above is the highest priced Chester White ever sold at public sale, and \$200.00 has been refused for him. Also winner of 1st price in yearling class, 1893, at Chester Co.'s Hog show, (The home of the Chester Whites.) He is a great sire, his get being of a high class and finish. He has been termed by many who have seen him as "King of Chester Whites," a title to which he is well-worthy. Mr. C. E. Morrison, Londonderry, Pa., the present owner, has favored us with this illustration.

# FERMILIZERS.

CONDUCTED BY H. J. PATTERSON, Of the Maryland Ag'l. Experiment Station. Contributions and Queries Invited from all Sources.

For the Maryland Farmer.

# MECHANICAL AIDS TO FERTILITY.

At this season of the year, when farmers are putting in or making preparation for

planting crops, they are often very prone to neglect and slight the first principle upon which successful agriculture depends, i. e .- thorough preparation of the seed or plant bed. A good seed bed means good deep plowing; thorough pulverization; and proper settling and fine ness, but yet not making the bed too compact. To many minds, judging from the lack of due observance of this principle, such tillage carries no idea other than producing a good and pleasant appearance; but the truth is that the first and most essential principle of fertility and fertilization depends upon the degree of fineness of the soil. The natural fertility of meadow lands are in a large measure due to the very fine particles of which they are composed.

It is only by thorough tillage that the soil is made a good habitation for the roots of plants, especially young plants, and the roots from germinating seed. Young roots are very tender and if the soil is improperly prepared they are not able to penetrate it with ease and devel-

ope normally and to their fullest extent. The roots of plants once checked and blighted never recover and an undeveloped root means a plant without vigor, producing but little fruit and that little of poor quality.

It is seldom that a farmer realizes the amount or extent of the root development of plants, and especially of young plants. Generally speaking our cultivated crops make during the first half of their lives almost as much weight of root as the portion above ground weighs, and the surface over which these roots spread is often several times as much as is occupied by the portion above ground. Every farmer knows how quickly a baked surface will injure plants just coming through the ground:—Clods and soil of improper fineness are equally injurious to the roots of plants. It is only by thorough tillage that water and air are able to penetrate the soil to its maximum capacity and water and air are of the utmostimportance to the plant in its development. Water and air are the principal factors in changing the constitution of the soil particles and causing plant foods to be changed from the unavailable to the available forms. It is not only by thorough tillage that the farmer and trucker are able to combat with dry seasons and preserve a proper degree of moisture in soils. Without a good degree of fineness roots are unable to make use of the plant foods in the soils;—the finer the soil particles the greater and the quicker is the dissolving action of the root solutions. It is only on soils that are well plowed and pulverized that applications of lime are able to act to their fullest extent, as the value of lime depends upon the combinations and re-

ductions which it makes with constituents already in the soil, and these changes can take place completely only with fine particles.

Commercial fertilizers can not be used to advantage by plants unless they are applied to soils that are well pulverized and intimately mixed with the soils.

By thorough tillage rocks are 'disintegrated, and the chemical action, and interchange between the constituents of the different soil particles caused and promoted.

From the few facts briefly presented above, will become apparent to every mind the vast importance of thorough tillage and the proper preparation of ground before planting any crop; and a moment's reflection will make it evident to all that there is no time lost in putting land in a good mechanical condition, while a crop may be much decreased or even lost by planting it before the land is in a good mechanical condition so as to afford a good habita tion for the roots.

H. J. P.

For The Maryland Farmer.

#### OUR MODEL FARM.

It consists of one hundred acres of land of which fifteen acres are in wood and the balance divided for the crops which are intended for the income of the family, and the general farm support.

3 acres are in apple orchard,

- 2 " are in peach orchard,
- 3 " are in pear orchard,
- 4 " are in plum orchard,
- 1 " is in quince orchard,
- is in cherries, apricots and trial fruits,

2 acres are devoted to currants and gooseberries,

1 acre of blackberries and raspberries,

- 1 "strawberries,
- 1 "grapes,
- 2 " are in asparagus,
- 1 " is in rhubarb.

The apple and peach orchards are surrounded by a wire fence, and are used for the poultry. Bees are in the quince orchard.

2 acres are used for sugar corn,

- 2 " are devoted to a kitchen garden,
- 8 " are for tomatoes,
- 15 " clover and hay,
- 15 " corn and grain, in rotation.
- 15 " potatoes,

The balance of the land, adjoining the woods, is pasture.

Of course these are not exact by measurement, but are approximate quantities and show the variety on the farm and the source of general income. It is so arranged that fruit of some description has never failed us. The income from small fruits, asparagus and rhubarb have been quite large, and the potato crop has paid well. The stock has used the hay and corn on the farm, and the barnyard manure, with the green manures plowed in, have enabled us to do wholly without artificial, or commercial fertilizers.

By examination of the plan, it will be seen that almost the entire farm is devoted to permanent crops, which require the least amount of labor on the land, and which are in fair demand in village or city markets.

[We would be pleased to have any of sary with Evergreens, and all exposure our readers offer criticism on the above of the roots to the sun and air must be "model farm." We are sure the writer strictly avoided. Evergreens should not will not consider it out of place; but be planted in the Fall.

will gladly accept anything in the way of improvement which may be offered.

—Ed.

For the Maryland Farmer.

#### PLANTING AXIOMS.

- 1. Surface soil good, subsoil sorry, plant crops with short roots.
- 3. Surface soil common, subsoil good, root crops.
- 3. Surface and subsoil both common, plants with long surface roots.
- 4. Plants deriving much of their nutriment from the air, on poor soils.
  - 5. Plants of strong roots on stiff soils.
  - 5. Long rooted plants on dry soils.
  - 7. Short rooted ones on wet.

A.

### A Raspberry Hybrid.

The Primus Hybrid, a hybrid between a raspberry and blackberry, commences to ripen its fruit June 25. The plant and foilage take on both the characteristics of the raspberry and blackberry. The fruit is more like a blackberry, being as large as the largest blackberries we have ever seen, jet black in color, juicy and of high flavor.—Ex.

To secure a good hedge it is necessary to plant well. Dig a wide, deep trench, and work the soil thoroughly into the roots. Settle the ground firmly, so that each plant will be set as solid as a post, then, mulch heavily with some coarse material for a distance of one or two feet on either side, according to the size of the plants. This is especially necessary with Evergreens, and all exposure of the roots to the sun and air must be strictly avoided. Evergreens should not be planted in the Fall.

# Baltimore Business Directory.

Accountant. Wm. F. Rogers, 323 N. Charles St. Agricultural Implements, Seeds, etc. Griffith & Lytle, 516 Ensor Street. Ag'l Implements, Fertilizers. Roloson Bros., 1900 to 1910 Frederick Ave. Attorney at Law, Broker in Business Opportunities Attorney at Law, G.W. Hume Craig, 319 Law B'ld'g Auctioneers & Commis'n Mer's, Merryman & Pat-letterson, 11 S. Charles Baltimore Transfer Co., 205 E. Baltimore St., Pas-senger, Baggage & Freight Brunswick Cafe. Rooms for Gentlemen. 526 N. Calvert Street. Business College School of Shorthand. Typewrit-ing. C. E., Barnett, 102 N. Charles Barber's Supplies. M. Trego & Co., 415 E. Baltimore Farmer Publishing Co. Fine Printing, 213 N. Calvert St. Farm Supply Co. S. Luther Lamberd, See'y & Sup't. Agr'l Imp., Seeds. 114 Light St. Grain Drills. Empire Drill Company, W. H. Brown, Manager. 404 S. Eutaw Street. Grain Drills. Bickford & Huffman Co., B. G. Thomas, Mgr., 408 S. Entaw St. Carriage & Wagon W'ks. Peters Carriage & Wagon Was. Wk's, 2001 Frederick Ave Carriage Builders, Martin L. McCormiek & Bro. Madison and Boundery Aves. Carpenter & Builder, Saml. G. Leight, 14 W. 20th., Residence, 401 E. Biddle St. Minor & Brother, 14 N. Green Street. Carpenters & Builders. Chemicals & Fertilizers, R.J. Hollingsworth, M'frs' 102 S. Charles St. Mass. Benefit Ass'n, P. L., Perkins, General Agent, Fidelity Building. Engineers & Machinists. C. L. Gwinn & Co., 709 E. Fayette Street. Funeral Directors, Supplied.) 221 S. Eutaw Sreet. Fertilizers. J. J. Turner & Co., 602 E. Pratt St.

Cole's Hotel, Newly Furnished. Rates Moderate. Stables. N.W.Cor. Hillen & Forest Sts Carrollion Hotel. Rates, according to location of Rooms, \$2.50 to \$4.00 per day. Kilrain's Hotel, & Eutaw St. Regular Dinners 35e. Malthy House. American and European Plan. Pratt Street, near Charles. Pepper's Hotel, Holliday and Lexington Sts. Opp. City Hall. Mrs.W. S. Pepper, Pro. Haller. James E. Connolly. S. W. Cor. Eutaw and Saratoga Sts. House and Sign Painters, Sharp and Barnett Sts. House and Sign Painters Phillip Endlich, 201 E. Saratoga St. House & Sign Painters. Wm. A. Gettermann, 1911 E. Biddle Street. Job Printing of all kinds. Estimates Furnished.
Maryland Farmer Office. Leather & Shoe Findings. J. A. McCambridge & Co. 118 S. Calvert St. Lumber Dealers. Canton Avenue & Albemarle St Patent Fire Pots, Blow Pipes, Burners, &c. Pratt. Pattern & Model Makers, Leach & Orem, 210 N. Holliday St. Plumber and Gas Fitter. J. H. Pumphrey. 1504 W. Baltimore St. Plummer and Gas Fitter, 100 Clay St., cor. Liberty. Printers Rollers & Roller Gum, J. E. Norman & Co. 421 Exchange Pl. Real Estate. L.G. & E.W. Turner, 26 E. Fayette St. Suburban property & town colonies. Sails, Awnings, Tents and Hay covers. (Old canvas) Sample Trunks & Cases. L. Grain, Manufacturer & Repairer, 7 N. Sharp St. Veterinarian. Stuart E. Paulet, M. D. C., Railroad Hotel, Catonsville, Md. Veterinarian. Wm, Dougherty D, V. S. Graduate of Veterinary Medicine, 1035 Cathedral

# MARYLAND FARMER.

#### H. R. WALWORTH, Editor.

The MARYLAND FARMER is published Monthly at Baltimore, Md., at the subscription price of 50c. a year in advance. New subscriptions can commence at any time during the year.

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Always give the name of the post office to which your Magazine is sent.

CONTRIBUTIONS :- All are cordially invited to express their opinions on any subject, give helpful talks to the inexperienced, and ask questions in any department.

All letters should be addressed,

#### FARMER PUBLISHING CO...

213 N, CALVERT ST . BALTIMORE, MD.

Correspondents are specially requested to write their communications on separate slips of paper and only on one side, signing name and address.

Advertising rates sent on application. Agents wanted; liberal commissions.

Entered as second class matter at Post Office, Baltimore, Md.

#### 4d Month. APRIL. 30 Days.

#### PHASES OF THE MOON.

First Quar. 2 4 27.9 p.m. Last Quar. 16 6 22.3 p.m. Full Moon 9 8 43.4 a.m. New Moon 24 8 11.1 p.m. Perigee 6 11 p.m. Aporee 18 8 p.m.

#### FFSTIVALS.

Palm Sunday	April 7.
Good Friday	April 12.
Easter Sunday	April 14.
Low Sunday	April 21.
Arbor Day	April 11.

#### HOME SURROUNDINGS.

Perhaps, nothing represents the refinement and intelligence of a farmer's home, more than the general surroundings of the dwelling. And this depends very largely upon the farmer himself as well as his family.

A hundred small items go to make up the appearance of the homestead, and speak in loud tones to the eye and the mind of the visitor. We make up our estimate of the degree of refinement from solid common sense which we may find in conversation with the owner.

house standing alone, in the midst of a its lowest and coarsest shape; and that

plot of ground bare of grass, or tree, or shrub, or vine; with no shade for man or beast, and evidences of carelessness on every hand; everyone knows the opinion which will be formed concerning the occupants. Even if the house be comparatively new, and otherwise prepossessing in appearance, if these things are lacking, and if no preparations appear to indicate an improved condition, the barrenness becomes oppressive.

It is sometimes said that the wife and daughters of the farmer are at fault when this condition of things continues; but we are not inclined to place the fault there. Put it where it belongs, upon the farmer himself, who cannot or will not give the time to prepare and beautify his grounds. He pretends to think that these things are of no consequence, a useless expenditure of time, labor and what we see, fully as much as from the money. But this only emphasises the great fact, that he lacks the refinement which these beauties foreshadow; that As we approach, if we observe the his soul is given up to money getting in

he needs stirring very strongly to show himself in a better light to the world around him.

The work is not much, and the expense is nothing, to place in front of the house a neat lawn of well tended grass, with clumps of flowers and pretty shrubs in appropriate locations, with here and there a tree to cast its shade over the lawn, and invite mother and daughter to an occasional grateful rest beneath its branches. It is but little work to plant a vine beside the porches to add its beauty to the otherwise bare and glaring walls of the dwelling. Nature will do all that is needed to beautify and adorn, after the first crude work of man is done.

Then what are the remarks of passers by on the road or across the fields? How attractive is that home! how beautiful to the eye and how charming to all who come within its influence! Everyone concludes that someone of refined taste, someone who loves the beautiful in nature, someone who cares for life as a source of mental and moral beauty rather than an area for gross physical toil, occupies that dwelling. It speaks its own language of intelligence, of happiness, of contentment, and it is itself a lesson for loving and trusting hearts and good and useful lives.

We cannot associate contentment or happiness, with a bare, barren looking house with nothing to attract and every thing to repel, with a signal in every window of grinding and begrudged labor, and a sign on every unpainted board and every uncared for shed or shutter of degenerate days of toil with no recompense.

The care of home grounds brings one up in the human scale, so that, morally

and socially, life becomes more allied with real pleasure and the joy of living becomes a reality.

We would say, then, to every farmer to take note of these things; resolve that this spring season shall not go by without some decided acquisition in the way of embellishment to the home grounds. This is the season when every stroke will tell; trees may be set out; vines may be placed; roses may be put in the ground; lawns may be sowed, or rolled, or properly laid out; walks may be designed. One or all of these things may be done, and every stroke in this direction will add much to the actual value of your dwelling, besides bringing so many sources of gratification to its immates

Make of your dwelling a beautiful abode, and make of your home a happy home, and the mission of life is found by you.

#### CORN.

The Corn Crop of 1894 in point of yield is among the lowest on record. There were 76,000,000 acres planted in 1894 but owing to prolonged drought and dry winds in the principal corn producing States the actual area harvested had shrunk to 62,582,000 acres. yield for the year is placed at 212,770, 000 bushels. The wheat crop was above the average in yield per acre. The estimated crop is 460,467,416 bushels, worth \$225,902,025. Average value per. bushel 49.1 cent. The estimates for potatoes are: area 7,737,973 acres, product 170,787,338 bushels, value \$91,526,787. Tobacco; area, 523,103 acres, produce 406,678,385 pounds, value \$27,760,739.

Read our advertising pages.

#### THE WORLD'S WHEAT.

The tabular statement recently published by the Department of Agriculture, which it calls "An attempt to show the world's wheat production for the year 1891 to 1894," shows a steadily increasing supply, from 2,369,746,000 bushels in 1891 to 2,590,121,000 bushels in 1894. The facts are that for some undefined reason, the Department has underestimated the crops of wheat for the past four years. The crops of 1891 and 1892 were in excess of the Department's estimates by at least 100,000,000 bushels, while the crop of 1893 was fully 50,000,000 in excess of its figures. It is a well known fact that the Department's official report for 1894 was at least 40,000,000 bushels short of the actual yield.

The actual figures of the world's wheat supply as gathered from reliable sources gives 2,433,000,000 bushels in 1891 to 2,645,000,000 in 1894. South America has increased in her wheat supply from 48,805,000 bushels in 1891 to 104,000,-000 in 1894, while Russia has increased from 168,846,000 in 1891 to 366,000,000 bushels in 1894, with these large in creases in exporting countries prices must naturally be very much effected, besides Russia's surplus of Rye this year for export reaches 192,000,000 bushels, a gain of 70,000,000 over last year, and this large yield of cheap rye will necessarily lessen the consumption of wheat.

#### THE STANDARD DICTIONARY.

This work is now given complete to the public, by the issue of volume II. The publishers have done a work, which will probably never again be attempted on so large a scale, at so enormous a cost. And they have accomplished it in a

manner that gives the scholar and the specialist, as well as the ordinary writer of pure English, no room for complaint. Every department of science and every denomination of religion has had its expert scholar to represent the peculiarities of phraseology belonging to the sect; and thus both the science and religion appear as never before in any dictionary. It covers more ground by its classification of subjects than many treatises, and its meanings are more definite and distinct than can be found in favorite encyclopedias.

Nearly a million of dollars were expended to perfect it. Its experts and scholars numbered 247, distributed in every part of the world, so that terms might be defined at the very points where most generally used.

The names of its projectors and publisherswill be forever associated with the greatest work of our language—Funk & Wagnalls, New York.

#### ARBOR DAY-APRIL 11.

Not only does this day have its bles sings in adding to the acres of land devoted to the wooded area of our country; it has a broader and better significance in its influence upon country homes. Every tree planted and named by a boy or a girl in the family is one more tie to attach that child to its home. A grove of trees in the vicinity of the homestead, thus planted and tended year by year, exerts a power on young hearts that makes such a grove dearer than any other spot Such things linger long in on earth. the mind, and if by any means we are in after life separated from the farm of our youth, we turn often in memory to the old associations, and find bright

visions always around the early home. Let Arbor Day be sacredly kept and it will make of us a nation of home keepers, a people whose patriotism will centre around the love of home as well as around the love of country.

For the Maryland Farmer.

#### ATLANTA EXPOSITION NOTES.

Illinois will have a State building at the Exposition.

Chile has joined the list of the South American Republics to be represented.

South Carolina's wealth, resources and progress will be one of the features of the Exposition.

Mr. Geo. M. Pullman will place on exhibition at the Exposition the finest train of Pullman's ever seen. There will be on exhibition also eight or ten of the handsomest trains in the world.

Dr. P. J. Berckmans, the proprietor of the celebrated Fruitland Nurseries, has the contract for shrubs and evergreens to ornament the Exposition grounds. A very wide variety of plants has been secured. A competent landscape gardenar has been employed and planting will be begun at once.

Of late years there has been, in magazines and newspapers, much criticism of the American consular service. It seems to have been a fad with editors and writers to underrate the service performed by our commercial representatives abroad. The management of the Exposition is able to give a very different account of these much abused, but eminently useful officials. Early in December circular letters were sent to every consular officer of the United States by the Department of Publicity and Promotion. These letters went to every part of the globe, Of course the majority went to civilized countries, but even the isles of the sea were not overlooked. As a result the Exposition has had a direct representative in every place on this earth where business is done and applications for space have been received from prospective exhibitors in almost every country of importance.

For the Maryland Farmer.

#### EXPOSITION ITEMS. Baltimore's Great Centennial of 1897. Notes from Headquarters.

Arrangements are being made by the Exposition authorities for a monster demonstration at Clifton Park on Easter Monday April 15th, to ratify the selection of said Park as a site for the Exposition of 1897. On this occasion a Flag Pole (which has been contributed by the Northeast Baltimore Business Men's Association) will be raised, and a Flag (which has been contributed by Mr. J W. Loan) will be unfurled. Addresses will be made by Governor Brown and Mayor Latiobe. The exercises will be interspersed with music by the leading Bands of the City and singing by prominent singing societies; addresses will also be delivered by prominent citizens. Invitations to take part in this celebration will be extended to the Military Staff of Governor, U.S. Senators and Members of H. R., State Officers and Members of the Legislature, Judges, CityOfflcials and Aldermen, Foreign Consuls, U.S. Officers, Business Mens Associations, Grand Army of the Republic, Confederate Veterans, and in fact, to all organizations and Societies of this city. A military display will be a special feature, the Maryland National Guard having been invited to take part in the program.

State Senator Hayes is one of the most active and earnest advocates of the Exposition; he will make an address at the rooms of the Merchants' & Manufacturers' Association before the various Sub-Committees of Ways and Means on Thursday the 4th instant. This meeting is to be held for the purpose of obtaining reports of progress made in the matter of subscriptions to the capital stock, and of providing for future action in that connection. There is every reason to believe the Centennial stock will be a paying investment, and our readers may safely invest in some. We advise, however, that the question of profit in this connection be not considered, and that every man who has the interest of the State at heart will contribute to the extent of his ability to this great

enterprise.

Compiled for the Maryland Farmer.

#### MARYLAND ITEMS.

Gen'l. John S. Berry has been mentioned for Mayor of Baltimore.

The Central Hotel at Frostburg has been sold to W. R. Percy for \$15,755.

Every farmer and business man in Md. should take the Maryland Farmer, 50c. a year.

Hon, Lloyd Lowndes, is the prospective candidate for Governor on the Republican side.

The farmers of Calvert county will plant a larger acreage in tobacco this year than usual.

The Fidelity Deposit and Trust Company. of Baltimore, has increased its capital to \$1,000,000.

On January 1, 1895, there were in Maryland 158,174 sheep. Average price \$2.62, value \$361,519.00

Prospects for a large and profitable peach crop on the Eastern Shore are said to be exceedingly bright.

The Chestertown Creamery and Ice Plant has been entirely destroyed by fire. Loss \$12,000. Insurance \$3,000.

Hon. Isidor Rayner, another democratic aspirant for Governor is busy organizing working clubs throughout the State.

Ex-Senator Henry G. Davis, of West Va., has returned with his family from an extended and pleasant trip through Mexico.

We call attention to the change of schedule of the Balto. Chesapeake & Atlantic Railway Co. See Travelers Guide in this Magazine.

The Pennsylvania Canal Co., want to acquire control of the Susquehanna and Tidewater Canal in which the State of Maryland is largely interested.

Lieut. Col. Frank Markoe has been unanimously elected Col. of the Fifth Regiment. A worthy promotion to an honorable and capable soldier.

Hon. Charles H. Gibson, senator from the Eastern Shore, has turned his attention to cultivating asparagus, and repairing his fences for coming events.

The Westerm Maryland Telephone Co., of Carroll county has been incorporated. Capital stock \$10,000. The Company will establish an exchange in Westminister.

The large Saw and Planing Mills of W. W. Tunis & Bro., at Tunis Mills, Talbot Co., were totally destroyed by fire March 21st. Loss \$10.000 covered by insurance.

Hon. Thomas G. Hayes, one of the many democratic aspirants for gubernatorial honors, addressed a farmers' club in Cecil County, recently, on the subject of taxation.

The Miller Safe and Iron Works, of Baltimore, shipped to Savannah, Ga., one of the largest portable safes ever manufactured. It was 9½ feet high and weighed 12,000 pounds.

Mr. James Bond has been elected President of the American Banking and Trust Company, succeeding Hon. John Hubner who resigned on account of pressing private business.

Detective W. H. Richardson of the Argus, G. Leslie Duvall, Commissioner Alfred Smyrk and the humorist Holbrook will go on an extended fishing excursion up Salt River for the summer mouths.

Hon. John Walter Smith, Worcester's candidate for Governor, or United States Senator, as events may develop, will spend his summer at Ocean City, watching the tides, and feeling the pulse of State politics

The new Baltimore City Directory, for 1895 just published by Messrs. R. L. Polk & Co., Benj. Sherriff, Manager, gives Baltimore and environs a population of 629,-294. It contains 193,629 names, an increase of 8,590 names over the Directory of 1894.

Mr. Samuel T. Earle, of Corsica Neck, Queen Anne county sent two hogsheads of tobacco to Baltimore, weighing 1500 lbs., consigned to Messrs. Dudley and Carpenter, Light Street This is said to be the first large quantity of tobacco ever grown and shipped from the Eastern Shore.

Mr. A F. Crouse of Beggs Md., and Mr. B. O. Frizzle, of Monravia, Md., are putting in combined cheese and butter worker outfits, which are being furnished by the Maryland Agricultural Co., of Baltimore, selling agents of the Owatanno Manufacturing Co., of Owatanno, Minn., Manufacturers of these celebrated machines.

# ORCHARD AND GARDEN.

We call especial attention to this list of Nurserymen, Seedsmen, Florists, etc. They all issue good Catalogues and will cheerfully send you one free, if you write referring to the Maryland Farmer. We believe every one of them to be reliable.—[Ed. M. F-

Amer. Exotic Nurseries, R. D. Hoyt, Mngr', Seven Oaks, Fla.

E. Moody & Sons, Lockport, N.Y. Niagara

Crosman Bros, Seeds and Plants, wholesale Rochester, N.Y.

F. Barteldes & Co., Kansas Seed House. Lawrence, Kas.

P. J. Berckmans, Trees, plants, etc., adapted to the South. Augusta, Ga.

Green's Nursery Co, for Ill. Cat. & Guide.

Royal Palm Nurseries. Reasoner Bros., Oneco, Florida

Berlin Nurseries, Wholesale and Retail, J.G. Harrison & Son, Berlin, Md.

T.W. Wood & Sons, Garden and Field Seeds Richmond, Va.

Wm. Parry,

Pomona Nurseries, Parry, New Jersey.

Jennings Nursery Co, Trees for the South, Thomasville, Ga.

West Jersey Nursery Co. Send for Catl'g. Bridgeton, N. J.

E.B.Marter, Jr. Seeds, Roots & Plants. Price Burlington, N. J.

Samuel Wilson, Seeds, Plants and Trees, Mechanicsville, Pa.

Strawberry and Cabbage Plants, Onion Sets, Co. Rio Vista, Va

Strawberry and Cabbage Plants, Trees, &c., Cat'g free. A.J. McMath, Onley, Va

The bursting buds loom up,
To greet the sunlight while it lingers yet
On the warm hill side, and the violet
Opens its azure cup,

Meekly, and countless wild flowers wake to fling

Their earliest incense on the gale of spring.

#### ORCHARD PLANTING.

An ideal plan for orchard planting that is being followed by many successful fruit growers at the North with good results is what is known as the hedgerow Rows thirty feet apart and system. running north and south are staked out across the field. In these rows the trees are planted at just half the distance between the rows, which places them at 15 feet apart. Planted in this manner the trees are 30 feet apart east and west and 15 apart north and south. The morning sun strikes on the east side of each row and the afternoon sun on the west side, while at midday, when the sun is nearly south, protection from its scorching rays is given by the shade of a closely planted row.

This method favors easy cultivation of the soil when farm crops are grown between the rows—a practice very desirable until the trees become so large as to interfere with team work.

When this system of planting is followed, it is a good plan to alternate two varieties in the same row, commencing with some kind that grows to a large size and endures to a good old age, following for the second with a variety of medium growth that begins to bear fruit quite young. Alternate these two varieties until the number desired is planted.

When the trees of an orchard planted in this manner have made sufficient growth so as to interlock their branches and crowd each other, which will be in fifteen to eighteen years, cut out every other tree in the row, selecting the variety that is of least value for future fruit

production. An orchard treated in this manner will now have the trees standing 30 feet apart each way, which is a sufficient distance for any variety that will succeed at the North. The discarded trees up to the time of cutting out have borne as much, probably more, fruit than those that are to remain permanently, and have cost but a trifle for extra trouble and care.—A.O.Bailey in Mirror and Farmer.

was increased from \$60,000 to \$120,000 With this additional capital it is proposed to improve the Company's property at Ocean City. A railway five miles long will be constructed along Baltimore avenue, as stated in the Maryland Farmer of March; the road will be operated by steam instead of electricity, and it is intended to have this road completed by June 15th next. Other important improvements will be made, which will

### J. Bolgiano & Son 28 S. Calvert Street.

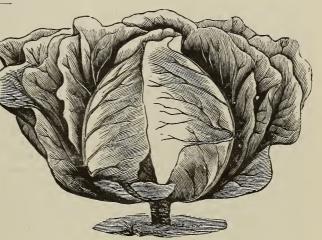
On page " 48 A," March number, an unintentional error occurred in mentioning "The oldest seed house in Baltimore." J. Bolgiano & Son claim that designation, and very properly, as they were established in 1818 and take precedence of all others; and their stock of Jersey Wakefield and

other cabbages are known and used make this celebrated watering place one throughout this entire country.

Set currants four feet apart in rich ground; cultivate much or mulch heavily; prune out old wood, so that each remaining shoot will have room to grow; if the currant worm appears, dust with hellebore every three weeks. Manure freelv.

It is never advisable to water a rose in the afternoon.

At a meeting of the stockholders of the Synepuxent Beach Company recently held in Baltimore, the capital stock



of the finest resorts in the country.

# Shoe- and

harness-leather wear long, do not crack, with Vacuum Leather Oil. Get a can at a harness- or shoe-store, 25c a half-pint to \$1.25 a gallon; book "How to Take Care of Leather," and swob, both free; use enough to find out; if you don't like it, take the can back and get the whole of your money.

Sold only in cans, to make sure of fair dealing everywhere—handy cans. Best oil for farm ma-chinery also. If you can't find it, write to

VACUUM OIL COMPANY, Rochester, N.Y.

# THE HOUSEHOLD.

Tears.

There are sacred drops,
Which do not rise,
Quick, gushing to the eyes;
But oozing inward,
Silent, dark and stil!,
Like some cavernous rill,
That falls congealing,
Turning into stone
The thing it falls upon.

The violet is a modest flower, but the price at which it sells is not.

Sofa cushions of Persian figured silk are pretty and very popular,

"Trilby's fitted here" is the way a Possyunk avenue shoemaker's sign reads.

Tortoise shell is the favorite handle for handsome umbrellas, and is usually mounted in gold or silver, with the monogram on one side.

Cold water is decidedly strengthening for the chest and neck, and should be dashed on every morning, and then rub vigorously with a bath towel.

It is considered quite chic to give one's lady-love a prayer rug, Turkish of course, and looking as if it had served a long term in some old mosque

Black toilettes look very distinguished when well cut.

The wide French skirt has lapped seams, no other trimming.

Russet shoes are among the numerous other signs of spring.

Little capes in cloth, silk and lace will be much worn this year.

Large single roses with leaves, are put on each side of fancy collars.

English cloths and especially Scotch in the tailor made style, will be very popular.

For morning wear, dresses of self colored cloth embroidered in the same shade are the proper thing.

A hair cloth petticoat, smartly flared and flounced to the waist at the back, gives a skirt a modish set.

A very swagger frock that has just been imported for a New York girl, is a robin's egg blue pique with trimmings of white.

The jackets are held in at the waist with ribbons, and blouse fronts of mull often add elegant effects.

Crisp white gowns with pin stripes of lavender, old rose or "baby blue," make up the best patterns for tailor skirts.

Most of the waists show a distinct waist line, but the French blouse remains popular and the surplice waist effects is being largely used.

For the girl who even in her cottons must have severelines, there are wash materials that lend themselves to admirable tailor shapings.

The new goods, both in silks and wools, are so beautiful and rich in color and so elaborate in design, that they forbid much ornamentation.

Ribbons, washable and unwashable, also abound, and not infrequently the narrow old-fashion white linen braids are seen on ginghams and piques.

Skirts in all cases, fit closely over the hips, and although they reach a width of from seven to eight yards about the hems they contain no extra stiffening.

When the wash gown has a round waist, sleeves are bishop shape, made very full and are most becoming to rounded arms when three-quarter length.

Don't wear a hat too young, unless you wish to look old. A sailor hat can be confidently recommended as calculated to make any mature woman look like a grandmother.

A popular fancy which will be dainty and useful for elaborate summer frocks, is to build the elbow sleeves of two or three ruffles with hoops and ends of ribbon between them.

The craze for butter color even extends to gloves. They are wonderfully pretty with four large yellow horn buttons, and black stitchings, or fine spear heads of the same shade of yellow. A tan so pale, it is almost white, and pure white gloves have black stitchings and white horn buttons. These are all of glaci kid, and are just the thing for the theatre and for dressy day time functions.

The spring of 1895 will be a perfect carnival of brilliant colors and the woman who loves sober tints will sigh for them in vain. Royal blue, cerise, rose-pink, clear yellow in the brightest of gold and all shades of violet will make the churches gay on Easter morning and still be attired in good taste.

#### Randolph on the Bible.

The following is the language of John Randolph concerning the Bible:

"I was raised by a mother, (God bless hea memory,) who taught me 'the Christian religion in all its requirements. But, alas! I grew up an infidel; if not an infidel complete, yet a decided deist. But when I became a man in this as well as in other matters, I resolved to examine for myself, and never pin my faith to another man's sleeve. So I bought that Bible; I studied over it; I sought and procured those books for and against; and when my labors were ended I came to this irresistible conclusion: That the Bible is true. It would have been as easy for a mole to have written Sir Isaac Newton's treatise on optics as for uninspired men to have written the Bible,"

#### For the Queen's Robes.

On the upper or northern end of the Island of Westport, anciently called Squam, and situated on the Sheepscot river on the Maine coast, stood a large, square, old-fashioned house, built of heavy timbers, having one massive brick chimney in the centre. It was owned and inhabited by a sea-faring man by the name of Clough, who sailed on foreign voyages.

It was in the time of the French Revolution, when this captain was on a voyage to France, that he was engaged by the agents of the King and Marie Antoinette to bring them secretly to America. Their wardrobe and some of their furniture was already placed on board the ship, and the King and Queen were driven quickly down to the quay, where the ship's small boat

was in waiting to take them off to the vessel. At the same moment secret agents of the revolution arrived just in time to arrest their King and Queen just as they had allighted from their carriage. Their majestics were then removed to prison. There they were soon after guillotined.

As soon as he found what had happened Capt. Clough put to sea with all haste having the wardrobe and the furniture of the King and Queen on board his ship. After a long voyage he arrived at Westport, Me., safely and stored the Queen's wardrobe and his furniture in his own house on Squam Island. Tradition says that visitors to the house used sometimes to see these things, and pieces of the Queen's dresses are still kept by the Clough descendants, who live in Edgecomb, just opposite Westport.

On account of what I have narrated above the house came to be called the "Marie Antionette House." Quite a long while after the events I have mentioned, the old house was ferried across on scows to the opposite shore of Edgecomb, and placed high up on the bank, back from the river's brink, where it stands and is still inhabited. Many photographs have been taken of by summer tourists and many have written its history. But what I have written was told to me by the "oldest inhabitants," who received it as I tell it, from their fathers and mothers.- Lewiston Journal.

#### Pearls of Thought.

It is very easy to look down on others; to look down on ourselves is the difficulty.

A talent is perfected in solitude; a character in the stream of the world.

It is in vain for a man to be born fortunately, if he be unfortunate in his marriage.

A wide, rich Heaven hangs above you, but it hangs high; a wide, rough world is around you, and it lies very low.

Everyone of your actions is rewarded or punished. We may not discern it, or if we do, are too proud to admit it.

To grow old is quite natural; being natural, it is beautiful; and if we grumble at it, we miss the lesson and lose all the beauty.

# THE POULTRY YARD.

Our readers will receive every attention, if they will address any of the Poultrymen in the select list below, and state their wants.—[Ed. M. F.

Lewis C. Beatty, Washington, N. J. Fancy Poultry All varieties. Circular free.

The Best Brooder, \$5.00. Send for Circular. G, S, Singer, Cardington, Ohio.

Jacob Bower, Kilibuck, Ohio. Black Langshan's. Birds and Eggs for Sale.

Capon Instruments post paid \$2.50. G. P. Pilling & Son, 115 S. 11 St., Philadelphia, Pa. Book free.

Barbour & Son, Eggs % Price. 13-\$1. 39-\$2. 10 Var E. Ave. Rochester, N. Y.

B. Hammerschmidt, South Buffalo, N.Y. Bl'kJavas Wyandotte, Leghorn, Minorca

F. L. Hopper. Pearl Guinea Fowls. Station B. Baltimore, Md.

S. H. Merryman.

\$8.00 Incubators.

Bosley, Md.

Enterprise Poultry Yards. Annville, Pa. HighClass Poultry. Circular free.

O. K. Feed is a Meat and Bone Ration for Poultry. C. A. Bartlett, Worcester, Mass.

Wm. M. Hughes, Box 56. Newport, R.I. Bl'k Langs B. P. Rocks. Games, Bantams.

A. F. Williams, Monitor Incubator, best in the Bristol, Conn.

0. J. Putnam & Co, Barred & White P.Rocks. Eggs and stock. Leominster, Mass.

Lansdale Iron Works. Cast Iron Poultry Troughs, and Fountains. Lansdale, Pa

Yon Culin Incubator Co. Incubators. Delaware City, Del.

OFTS Mills Poultry Yards. L. Brahmas. P. Rocks Wyandottes. P. Ducks. Orr's Mills, N.Y

F. B. Zimmer & Co., Gloversville, N. Y. Beagle F. B. Zimmer & Co., Hounds, Leghorns, PR'ks, Bants

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John W. Silcott, Snickersville, Va. Buff Cochins Fine young trios \$5. Egg \$1. for 15.

GO. A. Friedrichs, Erie, Pa., White Fowls-Polish, Leghorns, Catalog free

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J. D. Engel, Middleburg, Md., 8 kinds of Poultry Eggs \$1.00. 20 kinds Seed Potatoes.

Caponize Instructions mailed free. William H. Wigmore, 107 S. 8th St., Philadelphia, Pa.

S.C. White Leghorns only. Eggs \$1.00 per 13. W.J Richardson, Owings Mills, Md

Black Langshans: Eggs \$1. per 13; Cockerels \$1.50 S.W. North, Berkeley Sp'gs, WVa

Fggs and Stock, Bar'd P. Rock. Mammoth Bronze Turkeys. Edith E. Simmonds, Finksburg, Md

Maryland Agricultural Co. Poultry supplies. 32 W. Pratt St.

#### Makes him Gay.

Lots of cheery sunshine,
Lots of hens that lay,
Those are just the things that make
The poultry-keeper gay.

For the MarylandFarmer.

### APRIL.

- 1. The principal work is to take care of sitting hens and young chicks.
- 2. Choose for sitters hens more than one year old as they are generally more steady and not liable to desert the nest.
- 3. Some pullets of early last spring hatch, which have been laying during the winter, will make faithful sitters.
- 4. Choose eggs from hens and not from pullets unless the latter are remarkable for vigor.
- 5. It is not best until the latter part of this month to set any high priced eggs unless you have them to spare from your own flock.
- 6. There will be some quite cold frosty days and nights and young chicks must have good shelter.
- 7. The nest of sitting hens during this month should be thick and well

made; not too large; as warm as possible.

- 8. The sitter should not be off her nest long on the cold days; but on the warm days it is not so necessary to watch her.
- 9. When the little ones come, do not be in a hurry to feed and water them—they will do well enough for thirty six hours.
- 10. Then give them every hour what bred crumbs they will eat for two or three days.
- 11. The water should be in a very shallow dish and a small one for each broad.
- 12. It is right now to see after the cleanliness of the chicken house, for the lice will begin to multiply.
- 13. Renew the nests which have been used during the winter and fill the house with a smother of dust of air slacked lime.
- 14. In the yards place plenty of green grass—the chickens relish the young tender grasses of April, and this green food will do them much good.
- 15. Eggs will be very plentiful and the prices will not be high in market. You can afford to use them in your family.
- 16. Look to the drains from your chicken house and yards, for the heavy showers will otherwise trouble you and your chickens.
- 17. Keep the chickens out of the garden where you have planted early seeds—they are very destructive.
- 18. Do not let your chickens trouble your neighbors and do not allow anger to flame up if your neighbor's chickens trespass on your premises.



#### PRESERVING EGGS.

In reply to Mr. H. M. Thomas, of Wyoming, Del., asking information in reference to preserving eggs:

Limed eggs are those which are preserved by immersing in lime water and keeping under the water until ready to ship to market or to use. The water must be perfectly saturated with lime.

Another receipt is: 1 pint common salt, 1 pint lime, dissolve in 4 gallons of boiling water—let cool. Put the eggs in the liquor in stone jar, and they will keep 2 years.

Another: - Rub the eggs with linseed oil and put them in sand the small end down. This is the receipt of the U.S. Agricultural Department—will keep 6 months.

Another: - Dissolve bees wax in twice its weight of sweet oil and rub on the shell, being sure to cover every particle of shell—will keep five years.

Cold storage at 40 degrees or less will keep them two years.

The above are accepted recipes; but not having tried any of them ourselves, we give them as worthy of a trial on a small scale.

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535.061 Wire Fence.

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535.110 Wire Fence Stay.

535.387 Instrument for Trimming Trees,

535.416 Rice Cleaning Machine.

535.422 Corn Harvester.

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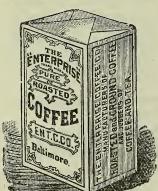
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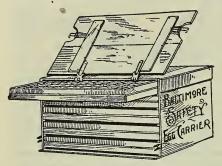


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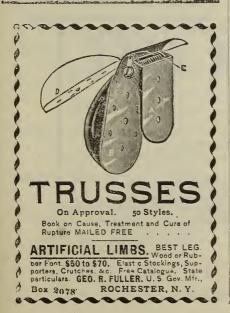


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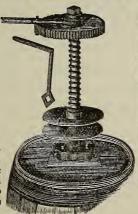
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Scrofulous Humor, Boils, Pimples and Eruptions on the Face, Headache, Lassitude, Dizziness, Faintness at the Stomach, Female Weakness, Biliousness, Kidney Troubles, General Debility and all Disease Parising from an Impure State of the Blood. Troubles, General Debility and all Diseases

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One of the oldest and best institutions of its kind in the country.

OBJECT.—To loan money to build homes for its members who could not otherwise secure them, and also as an investment for small savings.

SECURITY.—First mortgage, or real estate worth twice the amount of the loan. All money paid in can be withdrawn with one-half of net  $\epsilon$ arnings after six months. Call on or address

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Their assets and standing are shown by their last report July 1st, 1894. 35,000 Policy-holders,

Over 139,000,000 insurance in force.

Over 1,000,000 Cash Surplus for the last 16 years.

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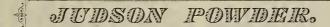
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Can Be transported and handled with perfect safety. Send for pamphlet and price list

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Tarred Felt, Rosin sized and Waterproof Sheathings, Coal Tar, Roof Paint, Ready Roof Coating, Black Gloss, Varnish, Creosote Oil, Disinfecting Lime, &c, Estimates Furnished. Send for Circulars, Samples and Price List.

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Granite, all kinds of Compositions, Tin and Slate Roofing put on and Old Roofs
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Steam Boilers and Pipes covered,

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COUNTRY WORK PROMPTLY ATTENDED TO. 201

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Importers, Dealers and Manufacturers of

# MARBLE SCACUARY,

MONUMENTS, FURNITURE, SLABS,

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CATARRH, ASTHMA AND HAY FEVER absolutely cured without drugs, washes or filthy sprays. The most simple and yet perfect method known in the world. It never fails to do all that is claimed for it. It cures Cataracts. Tumors. Cancers. Ulcers and all Diseases of the Eye, Earand Throat. We have offered, and still offer, to go into the hospitals and cure those whom the doctors give over as in curable. No matter what form of disease, we guarantee to cure ninety per cent, in any hospital or atour own office free of charge if physicians will bring their incurable patients to us. The Orbitine costs ten dollars; will last a lifetime. Children can use it anywhere—in the streets, on the cars, or lying in bed. One thousand persons can use one instrument for any of the above ailments. Free use of instruments at office. Send for references and circulars.

West Baltimore—S. E. Cor. of Fulton Ave., and Lombard St. North Baltimore—14 East 24th St ADDRESS ALL PRIVATE MATTERS TO

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#### TRAVELERS GUIDE.

Balto. Chesapeake & Atlantic | Wheeler Transportation Line. Railway Company.

(Consolidation of the Baltimore and Eastern Shore Railroad and the Maryland, Choptank and Eastern Shore Steamboat Companies.)

Water and Rail Routes to Ocean City and all points on the Chesapeake Bay and its

tributaries.

For Health, Pleasure and Business. Unexcelled facilities for both passenger

and freight traffic.

Close connection with the trunk line railroad, insuring convenience to the traveler,

and quick dispatch of all freights.

Fifteen commodious and handsomely fitted Comfortable state rooms. out steamers. Comfortable state Good Cuisine. Polite Attendance.

Steamers leave Pier 3, 4 and 41/2 Light

Street Wharf as follows:

4.30 p. m., daily, except Sunday, connecting with the Railway Division at Claiborne for St. Michaels, Easton, Salisbury Ocean City and all intermediate points.

8 p. m., daily, except Sunday, for Cambridge, Denton and all points on the Chop-

tank and Tred Avon Rivers.

5 p. m., on every Monday, Wednesday and Friday, for Seaford, Del., and interme-diate landings on the Nanticoke River.

5 p. m., on every Tuesday, Thursday and Saturday, for Salisbury and intermediate

landings on the Wicomico River.

5 p. m, every Monday. Wed. and Friday for Freeport, Va., and intermediate landings on the Western Shore of Virginia and Piank-

atank River Line,
5. p. m. every Tuesday, Thursday and
Saturday for Eubanks, and points on the
Great Wicomico River, Dividing, Indian, Dymer's and Antepoison Creeks, extending the Saturday trip to Jacksons Creek, Cricket Hill, Callis and Fitchetts.

Steamers leave from foot of South Street

as follows:

5.30 p. m., on every Tuesday and Friday for Snow Hill and intermediate points on the Pocomoke River Line.

5.30 p. m., every Wednesday for Ford's, Crisfield, Messongo and intermediate points

on the Messongo River Line.

5.30 p. m., every Sunday for Ford's, Crisfield. Rues and intermediate points on the Occohannock River Line.

B. L. FLEMING, WILLARD THOMSON. Gen. Pass. and Freight Agt. Gen. Man. 302 Light Street, Baltimore, Md.

Chester River Steamboat Co.,
Until further notice, Steamers of this line
will leave Pier 7 Light street, as follows:
At 10.30 a. m., Monday, Wednesday and Friday
for Rock Hall, Jackson Creek, Centreville and
landings on the Corsica river, At 10.30 a. m.,
Tuesday, Thursday and Saturday for Kent Island, Queenstown, Bogles Quaker Neck, Bookers, Halphs and Chestertown.

Freicht received darly Freight received daily.

GEORGE WARFIELD, President.

Great Choptank, Trappe and Tuckahoe Rivers.

Pier 5 Light Street Wharf.

Daily except Sundays at 9 P. M. for Trappe, Chancollor's, Clark's, Medford's (Choptank) Lloyd's, Dover Bridge, Kingston, McCarty's Ganey's, Downes', Towers, Williston, Tuckahoe Bridge, Reese's, Coward's', Covey's, Hillsboro and Queen Anne.

RETURNING.

Will leave Hillsboro Mondays, Tuesdays, Wednesdays, Thursdays and Fridays at 11 a. m.. Covey's 11.30 a. m., Coward's 12 m., Williston 2 p. m., Ganey's 2.30 p. m., McCarty's 3 p. m., Kingston 3 15 p. m., Dover Bridge 3.30 p. m., Medford's [Choptank] 5 p. m., Clark's 5.30 p. m Trappe 9 p. m. Stopping at Intermediate Landings, arriving in Baltimore early the following mornings.

Steamer leaves Hillsboro Saturdays at 4 p. m. for Williston, leaving Williston Sundays at 7 a. m., Medford's 10 a. m., Trappe 1 p. m. arriving in Baltimore 8 p. m Sundays. Freight received at Pier 5 Light St., wharf until 6 p. m. daily for all landings.

E. E. WHEELER, Agent.

#### Richmond & York River Line.

On and after Tuesday March 5th, steamers of this line leave Baltimore daily (Sunday excepted) at 5 p. m. for Westpoint, Richmond and the South, arriving at Richmond at 10.40 a. m., connecting with trains of the Southern Railway system. Steamer sailing Monday, Wednesday and Friday calling at Gloucester Point and Allmond's Wharf, Steamer sailing Tuesday, Thur-day and Saturday calling at Yorktown and Clay Bank.

Through tickets and bills of lading issued at all points on the Southern Railway system. Way freight must be prepaid. Fare to Richmond—lst class, \$2.50; round trip, \$4. Tick ts sold and baggage checked at GEIGAN& CO'S, 205 East Baltimore street. E.J. CHISM, G. F. and T. A.

REUBEN FOSTER, General Manager,

#### Weems Steamboat Company-PATUPENT RIVER ROUTE.

For Fair Haven, Plum Point, Governor's Run and Patuxent river as far as Benedict. Wednesday and Saturday, at 6.30 a. n. Fieight received at Pier 8 Light Street, Tuesday and Friday. For the Patuxent riverdirect as far as Bristol, Sudday at 9 p. nr. Freight received at Pier 2

Sunday at 9 p. m. Freight received at Pier 2 Light Street Salurday. POTOMAC RIVER ROUTE.—For Washington.

POTOMAC RIVER ROUTE.—For Washington, Alexandria and all landings in the Potomac river, Friday at 6 p. m. For landings on the Potomac as far as Stone Wharf, Tuesday at 6 p. m. Freight received daily at Pier 9, Light Street, but no freight for out-going steamer received after 5,30 p. m. on alling days. Steamer leaves Seveth street wharf, Washington, Sunday at 4 p. m. RAPPAHANOCK RIVER ROUTE.—For Fredericksburg and all landings on the Rappahannock river, Tuesday and Friday at 4.30 p. m. For the Rappahannock as far as Naylor, Wednesday at 4.30 P. M., Freight received at Pier 2, Light street, daily. No freight for out-going steamer received after 4 p. m., sailing days.

after 4 p. m., sailing days.

HENRY WILLIAMS, Agent, Office, Pier 2, Light Street,

#### TRAVELERS CUIDE.

(SCHEDULE, In effect Jan. 6, 1894.)

### Baltimore and Ohio R. R.

Leave Camden Station.

For Chicago and Northwest, Vestibuled Limited Express daily 10.10 A. M. Express 7. P. M.

For Cincinnati, St. Louis and Indianapolis, Vestibuled Limited Express daily 2.25 P.M., Express 11.00 night.

For Pittsburg, Express daily 10.10 A. M., and 7.30 P. M.

For Cleveland, via Pittsburgh, 10.10 A. M. and 7.30 P. M.

For Washington, week days, 5,00, x6.15, x6.25, 6.30 x7.30, x8.04, 8.35 x10.10, (10.35, A.M., 12.00 noon 45 minutes, 112.15, x2.10 x2.25, 2.50, (3.45, 45 minutes, 4.10, 5.00, x6.00, 6.18, x6.40, 47.00, x7.30 x8.00, 9.15, x10.20, x11.40, 11.30 P. M. Sundays, x6.25, 6.30 8.35, x10.10, (10.35, A. M., 12.00 M., 45 minutes,) 1.05, x2.10 x2.25, (3.45, 45 minutes,) 5,00, 6.18 x6.40, x7.60, x7.30 x8.00, 9.15, x10.20, x11.00 and 11.30, P. M.

For Annapolis, 7.20, 8.35 A. M., 12,15 and 4.10 P. M. On Sunday, 8.35 A. M. and 5.00 P. M.

For Frederick, 4.00, 8,10, A.M., 1.15, 4.20 and 5.30 P. I. On Sunday, 9.35 A. M. and 5.30 P. M.

For Luray, Roanoke and all points in the South via N. and V. R. R., 10.20 P, M. daily, Sleeping cars to Roanoke, Chattanooga and New Orleans. For Luray 2.25 P, M. daily.

For Lexington and points in the Virginia Valley, †4.00, 10.10 A.M. For Winchester, †4.20 P.M. Mixed train for Harrisonburg, §4.00 A.M.

For Hagerstown, +4.00, +8.10 +10.10 A. M., +4.10 P.M. For Mt. Airy and Way Stations, \*4.00, ‡8.10, §9.35 A. M., ‡1.15, (‡4.20 stops at principal stations only,) \*5.30, \*6.25, \*11.10 P. M.

For Ellicott City, 04.00, †7.00, †8.10, §9.35, A. M. † ,15, †3.30, †4.20, 05.30, 06.25, 011.10, P. M.

For Curtis Bay, week-days 6.28 A. M., Leave Curtis Bay, week-days 5.45 P. M

Trains arrive from Chicago, and the Northwest, daily, 3.15 and 6.00 P. M. From Pittsburg and Cleveland, S.33, A. M., 6.00 P. M.; from Cincinnati, St. Louis and the West. 5.15 A: M., 1:00 P.M., daily

### Royal Blue Line for New York and Philadelphia.

For New York, Boston and the East, week-days, 5.25, 5.50, (10:48 Dining Car) A: M., 12.55, 3.50, (5.50 Dining Car) 8.55 P. M. (12.47 night, Sleeper attached, open for passengers 10:00 P. M.) Sundays, 5.25 (9.50 Dining Car) A. M. 12.55, 3.50, (5.50 Dining Car) 8.55 P. M., 12.42 night, Sleeping Car attached, open for passengers 10:00 P. M.

For Atlantic City, 5:25, 10.48 A. M. 12:55 P.M. Sundays 5.25 P.M., 12.55 P.M.

For Philadelphia, Newark, Wilmington and Chester. w. ek-days, 5:25, 8:50, (10.48 stopping at Wilmington only, Dining Car) A. M., 12:55,3:50, (5:50 Dining Car), 8:55 P. M., 12:47 night. Sun'ays, 5:25 (9:5) Dining Car) A. m., 12:55, 3:50, (8:55 P. M., 12:47 night. night.

For all Stations on Philadelphia Division, week days, 7.4Ja, m., 2.50, 5.00 p, m. Sundays, 8.40 a.m. 5.00 p.in.

†Except Sunday. \$Sunday only. \*Daily. xExpress train.

Baggage called for ano checked from hotels and residences by Union Transfer Company on orders left at Ticket Offices:

N. W. COT. CALVERT AND BALTIMORE STS, 230 South Broadway or Camden Station.

CHAS. O. SCULL, R, B, CAMPBELL. Gen. Passenger Agent. Gen. Manager

(In effect September 30, 1894,)

## Western Maryland Railroad.

Leave Hillen Station as follows:

\*4.30 A. M.—Fast Mail, Main Line, N. and W. R. R. and South, and ex. Sunday P. V. R. R., B. & C.V. R. R. also Martinsburg and Winchester.

+7.22 A. M.-York and B. & H. Div; also Main Line East of Emory Grove; also, G. and H. R. R.

†8.00 A. M. - Main Line, P. V. R. R., B & C. 7. . R R.; Emmitsburg and N. W. R. R.

\$9.30 A. M.-Accommodation for Union Bridge and Hanover.

†10.17 A. M.-Accommodation for Union Bridg York, Gettysburg; also Carlisle, and G. & H. R. R.

+2.25 P. M.- Accommodation for Emory Grove. 2.35 P M.-Accommodation for Union Bridge.

+3.20 P. M.-Exp. Glyndon, York and B. & H. Div.

§4.00 P. M .- Accommodation for Emory Grove t4.02 P. M.—Express Main Line Points, also Emmitsburg, B. & C. V. R. R., P. V. and N. & W.

R. K. †5,15 P. M.—Accomodation for Emory Grove. +6.15 P. M.-Accommodation for Union Bridge. \*10.10 P. M.-Accommodation for Emory Grove.

†11.25-Accommodation for Emory Grove. \* Daily. † Daily ex. Sunday. §Sunday only.

Ticket and Baggage Office, 205 East Baltimore St. All trains stop at Union Station, Pennsylvania Avenue and Fulton Stations.

B. H. GRISWOLD, Gen'l Passenger Agent. J. M. HOOD, General Manager.

# Baltimore & Lehigh Railway.

NORTH AVENUE STATION, BALTIMORE.

LEAVE WEEK-DAYS FOR CARDIFF-7:30 A. M., and 4:00 P.M.

LEAVE WEEK-DAYS FOR BELAIR 9:30 A. M., and 5:30 P. M. SUNDAY FOR CARDIFF-9:30 A. M. and 4:00 P. M.

SUNDAY FOR BELAIR-6:30 P. M. W. A. MOORE, Gen'l, Manager,

#### Annapolis and Saltimore Short Line R. R.

Leave Camden Station-Week Days: 7:15 a. m., for Annapolis and Way Stations, 8:50 a. m., for Annapolis and Way Stations, 1:10 b. M., for Annapolis and Way Stations, 5:40 p. m., for Annapolis and Way Stations. Sundays.

8:50 a.m., for Annapolis and Way Stations. 4:0 p.m., for Annapolis and Way Stations. Trains leave Annapolis 6:45, 8:55, a.m. 12:00 m., and 3:50 p.m. Week Days, and 8:55 a.m., and 4:30 p.m. on Sundays.

C. A. COOMBS, General Manager.

## MORNING, NOON AND NIGHT.

You can leave Grand Central Station, the very centre of the city.

For Chicago, St. Louis and Cincinnati. in a magnificently equipped train,

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Trains depart from and arrive at

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Connecting the east and west,

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Eleven through trains each day,

Practically a train every hour, via

"AMERICA'S GREATEST RAILROAD." 

# THE GREEN MOUSE.

East Pratt Street. Baltimore, Md.

J&B.L. WAGNER PROPRIETORS.

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LIQUORS. The TABLES are covered with the best substantial food the markets afford, besides. at the earliest moment they can be procured in the different seasons, every variety of delicae that land and water furnish, in

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Prices moderate. The crowds, which lunch and dine daily, attest public approbation of the superior management of the house.

It is a convenient place for travelers, who stop only a few hours or a day in the city, to get their meals. It is the popular resort of country gentle men from the counties, particularly from Southern Maryland, being convenient to Railroads and Steamboats, and in the midst of the business portion of the city.

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WE OR OUR DEALERS can sell you machines cheaper than you can get elsewhere. The NEW HOME is our best, but we make cheaper kinds, such as the CLIMAX, IDEAL and other High Arm Full Nickel Plated Sewing Machines for \$15.00 and up. Call on our agent or write us. We want your trade, and if prices, terms and square dealing will win, we will have it. We challenge the world to produce a BETTER \$50.00 Sewing Machine for \$50.00, or a better \$20. Sewing Machine for \$20.00 than you can buy from us, or our Agents.

THE NEW HOME SEWING MACHINE CO.

Orange, Mass. Boston, Mass. 28 Union Square, N. Y. Chicago, Ill. St. Louis, Mo. Dallas, Texas. San Francisco, Cal. Atlanta, Ga. FOR SALE BY

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DANIEL C GILMAN. ALEXANDER BROWN

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Secretary, GEORGE C. WEDDERBURN, Treasurer, ROBERT C. DAVIDSON, Solicitor, EDWIN HARVIE SMITH, Acting Manager, FRED BRACKETT. OFFICE:

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Morton Safety Heating Co.

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In Earthen-ware Tubes, For Not Houses, Conservatories, Etc.

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Investigation solicited.

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Box Shooks.
Framing, Ceiling, Flooring,
Siding. Moulding, Sash.

LUMBER Doors, Shingles, Blinds.
Laths, Brackets, Hub

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OUR STOCK COMPRISES Window and Door Frames, Sash Weights and Cords, Hand Rails and Balusters, Newel Posts, Porch Trimmings, Cornice, Porch and Stair Brackets, Door Jambs, Ornamental Glass, Builders' Materials, Store Fronts, Bay Windows &c., &c. Orders for Lime, Flooring, Shingles, Laths and Lumber of all Rinds filled promptly at Lowest Market Rates.

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High Grade" "Bos" and "Penn Mar."

# FERTILIZING CHEMICALS.

Ground Tankage,

Ground Fish,

Dissolved S. C. Rock.

Nitrate Soda.

Muriate Potash, Ground Plaster, &c., &c.

WM. DAVISON & CO. Baltimore.

Office: Firemens Building. Works: Fells Point.

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General Agent for the State of Maryland.

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A home cure of disease without medicine.



It relieves pain quicker than any other remedy

It cures more diseases quicker than any other agency yet discovered. It is less harmful, more effectual and less trouble to use than any other means, and it is always ready, saves all delay and the time of sending for a physician and is more reliable than drugs. When you have an Electropoise, you are always protected against every form and character of Stop long enough to think. disease.

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These are not the Times to Experiment.

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If you want to put your '95 crop of corn in economically; and if you want a Rake that will not rattle to pieces in one season, write us.

# EMPIRE DRILL CO.,

BALTIMORE, MD.

Manufacturers also of the Empire Grain and Fertilizer Drills. The only force feed Drill on the market to-day.

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Steam Flour Paste, For Paper Columbian shoe Blacking. Recommended and general manufacturing purposes. \$2.25 Shoe Co., Darby & Co., Frank L. Knell and per bbl.; \$1.25 ½ bbl; 75c 5 gallon pails many others. Price 10c a Box, the largest This paste will not sour, but if left for some box of blacking out length of time without disturbing it, will mould on top, but the mould can be taken and the paste will be found sweet under a source of and the paste will be found sweet under a source of and the paste will be found sweet under a source of and the paste will be found sweet under a source of and the paste will be found sweet under a source of and the paste will be found sweet under a source of and the paste will be found sweet under a source of and the paste will be found sweet under a source of and the paste will be found sweet under a source of an and an an an analysis paste will be found sweet under a source of an an an analysis paste will be found sweet under a source of an an an analysis paste will be found sweet under a source of an analysis paste will be found sweet under a source of a source of a source of an analysis paste will be found sweet under a source of an analysis paste will be found sweet under a source of an analysis paste will be found sweet under a source of an analysis paste with the paste will be found sweet under a source of an analysis paste will be found sweet under a source of an analysis paste will be found sweet under a source of an analysis paste will be found sweet under a source of an analysis paste will be found sweet under a source of an analysis paste will be found as a source of an analysis paste will be found an an an analysis paste of a source of of a s

Permanent Paste that never sour I.P. C. Pile Cure will cure any case or moulds. \$3.00 per bhl.; \$1.75 \frac{1}{2} bbl. 5 of Piles, or money refunded. Price 50c. a \$1.00 5-gallon pails. Also put up in Tumbles. 10c per glass for office and general Tuttle's Water Proof Furniture Polich gives a household use.

The Baltimore Cleaner for removing Grease or polish. Price 25c. per Bottle. Silk, Carpets or Rugs. Endorsed by the leading clothing manufacturers, carpet and upholstery dealers. It removes spots instantly without injuring the fabric. 4oz bottle 25 cts; 1 pint bottle 60 cts; 1 quart bottle \$1; 15 gallon \$3.

W. H. T. French Hair Dressing hair from

falling out, strengthens and promotes the growth, keeps it its natural color and gives it a beautiful, glossy appearance. It is not a hair dye, but the finest dressing in the world Price 50c per bottle.

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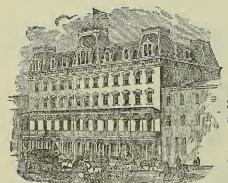
Tutile's Water Proof Furniture Polish gives a beautiful



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The "MALTBY" is the only House in BALTIMORE conducted on both the

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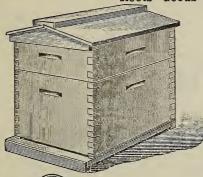
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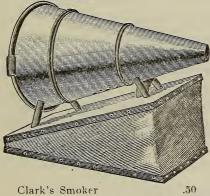
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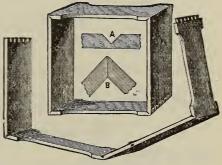
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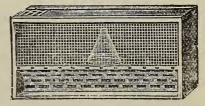
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21b. " " "	4.6	1000	3.75
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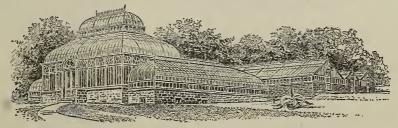
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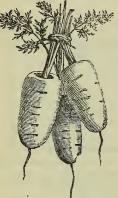
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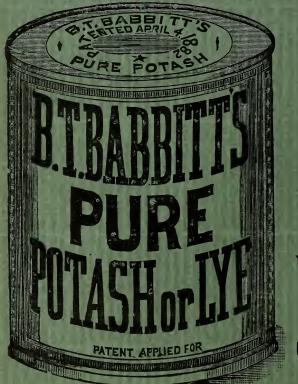
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